



BARGE "CTC 29145"

INNAGE (HERMETIC)
FORMERLY "E2MS 315"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

June 15, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29145"

1 PORT INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.31	0	304.05	0	654.00	0	1,010.72	0	1,368.62	0	1,727.20	0	2,085.79	0	2,444.37	0	2,802.90	0	3,161.38
1/4	18.35	1/4	310.95	1/4	661.47	1/4	1,018.14	1/4	1,376.09	1/4	1,734.67	1/4	2,093.26	1/4	2,451.84	1/4	2,810.37	1/4	3,168.85
1/2	21.40	1/2	317.85	1/2	668.94	1/2	1,025.55	1/2	1,383.56	1/2	1,742.15	1/2	2,100.73	1/2	2,459.31	1/2	2,817.83	1/2	3,176.32
3/4	24.45	3/4	324.75	3/4	676.41	3/4	1,032.96	3/4	1,391.03	3/4	1,749.62	3/4	2,108.20	3/4	2,466.78	3/4	2,825.30	3/4	3,183.79
1	27.50	1	331.65	1	683.88	1	1,040.37	1	1,398.50	1	1,757.09	1	2,115.67	1	2,474.25	1	2,832.77	1	3,191.25
1/4	32.50	1/4	338.64	1/4	691.35	1/4	1,047.79	1/4	1,405.97	1/4	1,764.56	1/4	2,123.14	1/4	2,481.72	1/4	2,840.24	1/4	3,198.72
1/2	37.50	1/2	345.63	1/2	698.82	1/2	1,055.21	1/2	1,413.44	1/2	1,772.03	1/2	2,130.61	1/2	2,489.20	1/2	2,847.71	1/2	3,206.19
3/4	42.50	3/4	352.62	3/4	706.29	3/4	1,062.63	3/4	1,420.91	3/4	1,779.50	3/4	2,138.08	3/4	2,496.67	3/4	2,855.18	3/4	3,213.66
2	47.50	2	359.61	2	713.76	2	1,070.05	2	1,428.38	2	1,786.97	2	2,145.55	2	2,504.14	2	2,862.64	2	3,221.13
1/4	53.49	1/4	366.68	1/4	721.23	1/4	1,077.49	1/4	1,435.85	1/4	1,794.44	1/4	2,153.02	1/4	2,511.61	1/4	2,870.11	1/4	3,228.60
1/2	59.48	1/2	373.76	1/2	728.70	1/2	1,084.93	1/2	1,443.33	1/2	1,801.91	1/2	2,160.49	1/2	2,519.08	1/2	2,877.58	1/2	3,236.06
3/4	65.46	3/4	380.84	3/4	736.17	3/4	1,092.37	3/4	1,450.80	3/4	1,809.38	3/4	2,167.96	3/4	2,526.55	3/4	2,885.05	3/4	3,243.53
3	71.45	3	387.91	3	743.64	3	1,099.81	3	1,458.27	3	1,816.85	3	2,175.43	3	2,534.02	3	2,892.52	3	3,251.00
1/4	77.55	1/4	395.08	1/4	751.11	1/4	1,107.25	1/4	1,465.74	1/4	1,824.32	1/4	2,182.90	1/4	2,541.49	1/4	2,899.99	1/4	3,258.47
1/2	83.66	1/2	402.24	1/2	758.58	1/2	1,114.69	1/2	1,473.21	1/2	1,831.79	1/2	2,190.38	1/2	2,548.96	1/2	2,907.45	1/2	3,265.94
3/4	89.76	3/4	409.40	3/4	766.05	3/4	1,122.13	3/4	1,480.68	3/4	1,839.26	3/4	2,197.85	3/4	2,556.43	3/4	2,914.92	3/4	3,273.41
4	95.86	4	416.57	4	773.52	4	1,129.56	4	1,488.15	4	1,846.73	4	2,205.32	4	2,563.90	4	2,922.39	4	3,280.87
1/4	102.06	1/4	423.82	1/4	780.94	1/4	1,137.03	1/4	1,495.62	1/4	1,854.20	1/4	2,212.79	1/4	2,571.37	1/4	2,929.86	1/4	3,288.34
1/2	108.25	1/2	431.07	1/2	788.36	1/2	1,144.51	1/2	1,503.09	1/2	1,861.67	1/2	2,220.26	1/2	2,578.84	1/2	2,937.33	1/2	3,295.81
3/4	114.45	3/4	438.32	3/4	795.78	3/4	1,151.98	3/4	1,510.56	3/4	1,869.14	3/4	2,227.73	3/4	2,586.31	3/4	2,944.80	3/4	3,303.28
5	120.65	5	445.57	5	803.20	5	1,159.45	5	1,518.03	5	1,876.61	5	2,235.20	5	2,593.78	5	2,952.27	5	3,310.75
1/4	126.94	1/4	452.91	1/4	810.61	1/4	1,166.92	1/4	1,525.50	1/4	1,884.08	1/4	2,242.67	1/4	2,601.25	1/4	2,959.73	1/4	3,318.22
1/2	133.22	1/2	460.25	1/2	818.03	1/2	1,174.39	1/2	1,532.97	1/2	1,891.56	1/2	2,250.14	1/2	2,608.72	1/2	2,967.20	1/2	3,325.69
3/4	139.51	3/4	467.59	3/4	825.44	3/4	1,181.86	3/4	1,540.44	3/4	1,899.03	3/4	2,257.61	3/4	2,616.19	3/4	2,974.67	3/4	3,333.15
6	145.80	6	474.93	6	832.85	6	1,189.33	6	1,547.91	6	1,906.50	6	2,265.08	6	2,623.66	6	2,982.14	6	3,340.62
1/4	152.17	1/4	482.35	1/4	840.26	1/4	1,196.80	1/4	1,555.38	1/4	1,913.97	1/4	2,272.55	1/4	2,631.12	1/4	2,989.61	1/4	3,348.09
1/2	158.55	1/2	489.78	1/2	847.67	1/2	1,204.27	1/2	1,562.85	1/2	1,921.44	1/2	2,280.02	1/2	2,638.59	1/2	2,997.08	1/2	3,355.56
3/4	164.92	3/4	497.21	3/4	855.08	3/4	1,211.74	3/4	1,570.32	3/4	1,928.91	3/4	2,287.49	3/4	2,646.06	3/4	3,004.54	3/4	3,363.03
7	171.30	7	504.63	7	862.49	7	1,219.21	7	1,577.79	7	1,936.38	7	2,294.96	7	2,653.53	7	3,012.01	7	3,370.50
1/4	177.76	1/4	512.10	1/4	869.91	1/4	1,226.68	1/4	1,585.26	1/4	1,943.85	1/4	2,302.43	1/4	2,661.00	1/4	3,019.48	1/4	3,377.96
1/2	184.22	1/2	519.58	1/2	877.32	1/2	1,234.15	1/2	1,592.74	1/2	1,951.32	1/2	2,309.90	1/2	2,668.47	1/2	3,026.95	1/2	3,385.43
3/4	190.68	3/4	527.05	3/4	884.73	3/4	1,241.62	3/4	1,600.21	3/4	1,958.79	3/4	2,317.37	3/4	2,675.93	3/4	3,034.42	3/4	3,392.90
8	197.15	8	534.52	8	892.14	8	1,249.09	8	1,607.68	8	1,966.26	8	2,324.84	8	2,683.40	8	3,041.89	8	3,400.37
1/4	203.70	1/4	541.98	1/4	899.55	1/4	1,256.56	1/4	1,615.15	1/4	1,973.73	1/4	2,332.31	1/4	2,690.87	1/4	3,049.35	1/4	3,407.84
1/2	210.25	1/2	549.45	1/2	906.96	1/2	1,264.03	1/2	1,622.62	1/2	1,981.20	1/2	2,339.79	1/2	2,698.34	1/2	3,056.82	1/2	3,415.31
3/4	216.80	3/4	556.91	3/4	914.38	3/4	1,271.50	3/4	1,630.09	3/4	1,988.67	3/4	2,347.26	3/4	2,705.81	3/4	3,064.29	3/4	3,422.77
9	223.35	9	564.38	9	921.79	9	1,278.97	9	1,637.56	9	1,996.14	9	2,354.73	9	2,713.28	9	3,071.76	9	3,430.24
1/4	229.99	1/4	571.84	1/4	929.20	1/4	1,286.44	1/4	1,645.03	1/4	2,003.61	1/4	2,362.20	1/4	2,720.74	1/4	3,079.23	1/4	3,437.71
1/2	236.62	1/2	579.31	1/2	936.61	1/2	1,293.92	1/2	1,652.50	1/2	2,011.08	1/2	2,369.67	1/2	2,728.21	1/2	3,086.70	1/2	3,445.18
3/4	243.26	3/4	586.77	3/4	944.02	3/4	1,301.39	3/4	1,659.97	3/4	2,018.55	3/4	2,377.14	3/4	2,735.68	3/4	3,094.16	3/4	3,452.65
10	249.90	10	594.24	10	951.43	10	1,308.86	10	1,667.44	10	2,026.02	10	2,384.61	10	2,743.15	10	3,101.63	10	3,460.12
1/4	256.62	1/4	601.71	1/4	958.84	1/4	1,316.33	1/4	1,674.91	1/4	2,033.49	1/4	2,392.08	1/4	2,750.62	1/4	3,109.10	1/4	3,467.58
1/2	263.35	1/2	609.18	1/2	966.26	1/2	1,323.80	1/2	1,682.38	1/2	2,040.97	1/2	2,399.55	1/2	2,758.09	1/2	3,116.57	1/2	3,475.05
3/4	270.08	3/4	616.65	3/4	973.67	3/4	1,331.27	3/4	1,689.85	3/4	2,048.44	3/4	2,407.02	3/4	2,765.56	3/4	3,124.04	3/4	3,482.52
11	276.80	11	624.12	11	981.08	11	1,338.74	11	1,697.32	11	2,055.91	11	2,414.49	11	2,773.02	11	3,131.51	11	3,489.99
1/4	283.61	1/4	631.59	1/4	988.49	1/4	1,346.21	1/4	1,704.79	1/4	2,063.38	1/4	2,421.96	1/4	2,780.49	1/4	3,138.98	1/4	3,497.46
1/2	290.43	1/2	639.06	1/2	995.90	1/2	1,353.68	1/2	1,712.26	1/2	2,070.85	1/2	2,429.43	1/2	2,787.96	1/2	3,146.44	1/2	3,504.93
3/4	297.24	3/4	646.53	3/4	1,003.31	3/4	1,361.15	3/4	1,719.73	3/4	2,078.32	3/4	2,436.90	3/4	2,795.43	3/4	3,153.91	3/4	3,512.40

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 13'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CTC 29145"

1 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,519.86	0	3,878.35	0	4,236.14	0	4,593.58	0	4,949.20	0		0		0		0		0	
1/4	3,527.33	1/4	3,885.82	1/4	4,243.58	1/4	4,601.02	1/4	4,956.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,534.80	1/2	3,893.28	1/2	4,251.03	1/2	4,608.47	1/2	4,963.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,542.27	3/4	3,900.75	3/4	4,258.48	3/4	4,615.92	3/4	4,971.12	3/4		3/4		3/4		3/4		3/4	
1	3,549.74	1	3,908.22	1	4,265.92	1	4,623.36	1	4,978.42	1		1		1		1		1	
1/4	3,557.21	1/4	3,915.69	1/4	4,273.37	1/4	4,630.81	1/4	4,984.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.67	1/2	3,923.16	1/2	4,280.82	1/2	4,638.26	1/2	4,991.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,572.14	3/4	3,930.63	3/4	4,288.26	3/4	4,645.70	3/4	4,997.74	3/4		3/4		3/4		3/4		3/4	
2	3,579.61	2	3,938.09	2	4,295.71	2	4,653.15	2	5,004.18	2		2		2		2		2	
1/4	3,587.08	1/4	3,945.56	1/4	4,303.16	1/4	4,660.60	1/4	5,009.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,594.55	1/2	3,953.03	1/2	4,310.60	1/2	4,668.04	1/2	5,014.58	1/2		1/2		1/2		1/2		1/2	
3/4	3,602.02	3/4	3,960.50	3/4	4,318.05	3/4	4,675.49	3/4	5,019.77	3/4		3/4		3/4		3/4		3/4	
3	3,609.48	3	3,967.97	3	4,325.50	3	4,682.94	3	5,024.97	3		3		3		3		3	
1/4	3,616.95	1/4	3,975.44	1/4	4,332.94	1/4	4,690.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,624.42	1/2	3,982.90	1/2	4,340.39	1/2	4,697.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,631.89	3/4	3,990.37	3/4	4,347.84	3/4	4,705.28	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,639.36	4	3,997.84	4	4,355.28	4	4,712.72	4		4		4		4		4		4	
1/4	3,646.83	1/4	4,005.29	1/4	4,362.73	1/4	4,720.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,654.29	1/2	4,012.73	1/2	4,370.18	1/2	4,727.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,661.76	3/4	4,020.18	3/4	4,377.62	3/4	4,735.06	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,669.23	5	4,027.63	5	4,385.07	5	4,742.51	5		5		5		5		5		5	
1/4	3,676.70	1/4	4,035.07	1/4	4,392.52	1/4	4,749.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,684.17	1/2	4,042.52	1/2	4,399.96	1/2	4,757.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,691.64	3/4	4,049.97	3/4	4,407.41	3/4	4,764.85	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,699.11	6	4,057.41	6	4,414.86	6	4,772.30	6		6		6		6		6		6	
1/4	3,706.57	1/4	4,064.86	1/4	4,422.30	1/4	4,779.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,714.04	1/2	4,072.31	1/2	4,429.75	1/2	4,787.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,721.51	3/4	4,079.76	3/4	4,437.20	3/4	4,794.42	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,728.98	7	4,087.20	7	4,444.64	7	4,801.79	7		7		7		7		7		7	
1/4	3,736.45	1/4	4,094.65	1/4	4,452.09	1/4	4,809.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,743.92	1/2	4,102.10	1/2	4,459.54	1/2	4,816.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,751.38	3/4	4,109.54	3/4	4,466.98	3/4	4,823.91	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,758.85	8	4,116.99	8	4,474.43	8	4,831.28	8		8		8		8		8		8	
1/4	3,766.32	1/4	4,124.44	1/4	4,481.88	1/4	4,838.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,773.79	1/2	4,131.88	1/2	4,489.32	1/2	4,846.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,781.26	3/4	4,139.33	3/4	4,496.77	3/4	4,853.40	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,788.73	9	4,146.78	9	4,504.22	9	4,860.78	9		9		9		9		9		9	
1/4	3,796.19	1/4	4,154.22	1/4	4,511.66	1/4	4,868.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,803.66	1/2	4,161.67	1/2	4,519.11	1/2	4,875.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,811.13	3/4	4,169.12	3/4	4,526.56	3/4	4,882.90	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,818.60	10	4,176.56	10	4,534.00	10	4,890.28	10		10		10		10		10		10	
1/4	3,826.07	1/4	4,184.01	1/4	4,541.45	1/4	4,897.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,833.54	1/2	4,191.46	1/2	4,548.90	1/2	4,905.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,841.00	3/4	4,198.90	3/4	4,556.34	3/4	4,912.39	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,848.47	11	4,206.35	11	4,563.79	11	4,919.76	11		11		11		11		11		11	
1/4	3,855.94	1/4	4,213.80	1/4	4,571.24	1/4	4,927.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,863.41	1/2	4,221.24	1/2	4,578.68	1/2	4,934.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,870.88	3/4	4,228.69	3/4	4,586.13	3/4	4,941.84	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29145"

1 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

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	653.85	0	1,011.95	0	1,370.34	0	1,728.83	0	2,087.32	0	2,445.82	0	2,804.25	0	3,162.65
1/4	18.35	1/4	310.85	1/4	661.32	1/4	1,019.40	1/4	1,377.81	1/4	1,736.30	1/4	2,094.79	1/4	2,453.29	1/4	2,811.72	1/4	3,170.12
1/2	21.39	1/2	317.75	1/2	668.79	1/2	1,026.86	1/2	1,385.28	1/2	1,743.77	1/2	2,102.26	1/2	2,460.75	1/2	2,819.19	1/2	3,177.58
3/4	24.44	3/4	324.65	3/4	676.26	3/4	1,034.31	3/4	1,392.74	3/4	1,751.24	3/4	2,109.73	3/4	2,468.22	3/4	2,826.65	3/4	3,185.05
1	27.49	1	331.55	1	683.73	1	1,041.76	1	1,400.21	1	1,758.71	1	2,117.20	1	2,475.69	1	2,834.12	1	3,192.52
1/4	32.49	1/4	338.53	1/4	691.20	1/4	1,049.23	1/4	1,407.68	1/4	1,766.17	1/4	2,124.67	1/4	2,483.16	1/4	2,841.59	1/4	3,199.98
1/2	37.49	1/2	345.52	1/2	698.66	1/2	1,056.69	1/2	1,415.15	1/2	1,773.64	1/2	2,132.14	1/2	2,490.63	1/2	2,849.05	1/2	3,207.45
3/4	42.48	3/4	352.51	3/4	706.13	3/4	1,064.15	3/4	1,422.62	3/4	1,781.11	3/4	2,139.60	3/4	2,498.10	3/4	2,856.52	3/4	3,214.92
2	47.48	2	359.49	2	713.60	2	1,071.62	2	1,430.09	2	1,788.58	2	2,147.07	2	2,505.57	2	2,863.99	2	3,222.38
1/4	53.47	1/4	366.57	1/4	721.07	1/4	1,079.08	1/4	1,437.56	1/4	1,796.05	1/4	2,154.54	1/4	2,513.03	1/4	2,871.45	1/4	3,229.85
1/2	59.46	1/2	373.64	1/2	728.54	1/2	1,086.54	1/2	1,445.02	1/2	1,803.52	1/2	2,162.01	1/2	2,520.50	1/2	2,878.92	1/2	3,237.32
3/4	65.44	3/4	380.71	3/4	736.01	3/4	1,094.01	3/4	1,452.49	3/4	1,810.99	3/4	2,169.48	3/4	2,527.97	3/4	2,886.39	3/4	3,244.78
3	71.43	3	387.79	3	743.48	3	1,101.47	3	1,459.96	3	1,818.45	3	2,176.95	3	2,535.44	3	2,893.85	3	3,252.25
1/4	77.53	1/4	394.95	1/4	750.94	1/4	1,108.94	1/4	1,467.43	1/4	1,825.92	1/4	2,184.42	1/4	2,542.91	1/4	2,901.32	1/4	3,259.72
1/2	83.62	1/2	402.11	1/2	758.41	1/2	1,116.41	1/2	1,474.90	1/2	1,833.39	1/2	2,191.88	1/2	2,550.38	1/2	2,908.79	1/2	3,267.18
3/4	89.72	3/4	409.27	3/4	765.88	3/4	1,123.87	3/4	1,482.37	3/4	1,840.86	3/4	2,199.35	3/4	2,557.85	3/4	2,916.25	3/4	3,274.65
4	95.82	4	416.44	4	773.35	4	1,131.34	4	1,489.84	4	1,848.33	4	2,206.82	4	2,565.31	4	2,923.72	4	3,282.12
1/4	102.02	1/4	423.68	1/4	780.82	1/4	1,138.81	1/4	1,497.30	1/4	1,855.80	1/4	2,214.29	1/4	2,572.78	1/4	2,931.19	1/4	3,289.58
1/2	108.21	1/2	430.93	1/2	788.29	1/2	1,146.28	1/2	1,504.77	1/2	1,863.27	1/2	2,221.76	1/2	2,580.25	1/2	2,938.65	1/2	3,297.05
3/4	114.41	3/4	438.18	3/4	795.76	3/4	1,153.75	3/4	1,512.24	3/4	1,870.73	3/4	2,229.23	3/4	2,587.72	3/4	2,946.12	3/4	3,304.52
5	120.61	5	445.43	5	803.22	5	1,161.22	5	1,519.71	5	1,878.20	5	2,236.70	5	2,595.19	5	2,953.59	5	3,311.98
1/4	126.89	1/4	452.77	1/4	810.68	1/4	1,168.69	1/4	1,527.18	1/4	1,885.67	1/4	2,244.16	1/4	2,602.66	1/4	2,961.05	1/4	3,319.45
1/2	133.18	1/2	460.11	1/2	818.13	1/2	1,176.15	1/2	1,534.65	1/2	1,893.14	1/2	2,251.63	1/2	2,610.12	1/2	2,968.52	1/2	3,326.92
3/4	139.46	3/4	467.44	3/4	825.59	3/4	1,183.62	3/4	1,542.12	3/4	1,900.61	3/4	2,259.10	3/4	2,617.59	3/4	2,975.99	3/4	3,334.38
6	145.75	6	474.78	6	833.04	6	1,191.09	6	1,549.58	6	1,908.08	6	2,266.57	6	2,625.06	6	2,983.45	6	3,341.85
1/4	152.12	1/4	482.21	1/4	840.50	1/4	1,198.56	1/4	1,557.05	1/4	1,915.55	1/4	2,274.04	1/4	2,632.52	1/4	2,990.92	1/4	3,349.32
1/2	158.49	1/2	489.63	1/2	847.95	1/2	1,206.03	1/2	1,564.52	1/2	1,923.01	1/2	2,281.51	1/2	2,639.99	1/2	2,998.39	1/2	3,356.78
3/4	164.87	3/4	497.06	3/4	855.40	3/4	1,213.50	3/4	1,571.99	3/4	1,930.48	3/4	2,288.98	3/4	2,647.46	3/4	3,005.85	3/4	3,364.25
7	171.24	7	504.48	7	862.86	7	1,220.97	7	1,579.46	7	1,937.95	7	2,296.44	7	2,654.92	7	3,013.32	7	3,371.72
1/4	177.70	1/4	511.95	1/4	870.31	1/4	1,228.44	1/4	1,586.93	1/4	1,945.42	1/4	2,303.91	1/4	2,662.39	1/4	3,020.79	1/4	3,379.18
1/2	184.16	1/2	519.42	1/2	877.77	1/2	1,235.90	1/2	1,594.40	1/2	1,952.89	1/2	2,311.38	1/2	2,669.85	1/2	3,028.25	1/2	3,386.65
3/4	190.62	3/4	526.89	3/4	885.22	3/4	1,243.37	3/4	1,601.87	3/4	1,960.36	3/4	2,318.85	3/4	2,677.32	3/4	3,035.72	3/4	3,394.12
8	197.08	8	534.35	8	892.68	8	1,250.84	8	1,609.33	8	1,967.83	8	2,326.32	8	2,684.79	8	3,043.18	8	3,401.58
1/4	203.63	1/4	541.82	1/4	900.13	1/4	1,258.31	1/4	1,616.80	1/4	1,975.30	1/4	2,333.79	1/4	2,692.25	1/4	3,050.65	1/4	3,409.05
1/2	210.18	1/2	549.29	1/2	907.59	1/2	1,265.78	1/2	1,624.27	1/2	1,982.76	1/2	2,341.26	1/2	2,699.72	1/2	3,058.12	1/2	3,416.51
3/4	216.72	3/4	556.76	3/4	915.04	3/4	1,273.25	3/4	1,631.74	3/4	1,990.23	3/4	2,348.73	3/4	2,707.19	3/4	3,065.58	3/4	3,423.98
9	223.27	9	564.23	9	922.49	9	1,280.72	9	1,639.21	9	1,997.70	9	2,356.19	9	2,714.65	9	3,073.05	9	3,431.45
1/4	229.91	1/4	571.70	1/4	929.95	1/4	1,288.18	1/4	1,646.68	1/4	2,005.17	1/4	2,363.66	1/4	2,722.12	1/4	3,080.52	1/4	3,438.91
1/2	236.54	1/2	579.17	1/2	937.40	1/2	1,295.65	1/2	1,654.15	1/2	2,012.64	1/2	2,371.13	1/2	2,729.59	1/2	3,087.98	1/2	3,446.38
3/4	243.18	3/4	586.63	3/4	944.86	3/4	1,303.12	3/4	1,661.61	3/4	2,020.11	3/4	2,378.60	3/4	2,737.05	3/4	3,095.45	3/4	3,453.85
10	249.81	10	594.10	10	952.31	10	1,310.59	10	1,669.08	10	2,027.58	10	2,386.07	10	2,744.52	10	3,102.92	10	3,461.31
1/4	256.54	1/4	601.57	1/4	959.77	1/4	1,318.06	1/4	1,676.55	1/4	2,035.04	1/4	2,393.54	1/4	2,751.99	1/4	3,110.38	1/4	3,468.78
1/2	263.26	1/2	609.04	1/2	967.22	1/2	1,325.53	1/2	1,684.02	1/2	2,042.51	1/2	2,401.01	1/2	2,759.45	1/2	3,117.85	1/2	3,476.25
3/4	269.98	3/4	616.51	3/4	974.68	3/4	1,333.00	3/4	1,691.49	3/4	2,049.98	3/4	2,408.47	3/4	2,766.92	3/4	3,125.32	3/4	3,483.71
11	276.71	11	623.98	11	982.13	11	1,340.46	11	1,698.96	11	2,057.45	11	2,415.94	11	2,774.39	11	3,132.78	11	3,491.18
1/4	283.52	1/4	631.45	1/4	989.58	1/4	1,347.93	1/4	1,706.43	1/4	2,064.92	1/4	2,423.41	1/4	2,781.85	1/4	3,140.25	1/4	3,498.65
1/2	290.33	1/2	638.91	1/2	997.04	1/2	1,355.40	1/2	1,713.89	1/2	2,072.39	1/2	2,430.88	1/2	2,789.32	1/2	3,147.72	1/2	3,506.11
3/4	297.14	3/4	646.38	3/4	1,004.49	3/4	1,362.87	3/4	1,721.36	3/4	2,079.86	3/4	2,438.35	3/4	2,796.79	3/4	3,155.18	3/4	3,513.58

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29145"

**1 STBD
INNAGE TABLE
HERMETIC**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,521.05	0	3,879.44	0	4,237.13	0	4,594.47	0	4,949.99	0		0		0		0		0	
1/4	3,528.51	1/4	3,886.91	1/4	4,244.58	1/4	4,601.91	1/4	4,957.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,535.98	1/2	3,894.38	1/2	4,252.02	1/2	4,609.36	1/2	4,964.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,543.45	3/4	3,901.84	3/4	4,259.47	3/4	4,616.80	3/4	4,971.90	3/4		3/4		3/4		3/4		3/4	
1	3,550.91	1	3,909.31	1	4,266.91	1	4,624.25	1	4,979.20	1		1		1		1		1	
1/4	3,558.38	1/4	3,916.78	1/4	4,274.36	1/4	4,631.69	1/4	4,985.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,565.85	1/2	3,924.24	1/2	4,281.80	1/2	4,639.14	1/2	4,992.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,573.31	3/4	3,931.71	3/4	4,289.25	3/4	4,646.58	3/4	4,998.52	3/4		3/4		3/4		3/4		3/4	
2	3,580.78	2	3,939.18	2	4,296.69	2	4,654.03	2	5,004.96	2		2		2		2		2	
1/4	3,588.25	1/4	3,946.64	1/4	4,304.13	1/4	4,661.47	1/4	5,010.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,595.71	1/2	3,954.11	1/2	4,311.58	1/2	4,668.91	1/2	5,015.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,603.18	3/4	3,961.58	3/4	4,319.02	3/4	4,676.36	3/4	5,020.54	3/4		3/4		3/4		3/4		3/4	
3	3,610.65	3	3,969.04	3	4,326.47	3	4,683.80	3	5,025.74	3		3		3		3		3	
1/4	3,618.11	1/4	3,976.51	1/4	4,333.91	1/4	4,691.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,625.58	1/2	3,983.98	1/2	4,341.36	1/2	4,698.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,633.05	3/4	3,991.44	3/4	4,348.80	3/4	4,706.14	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,640.51	4	3,998.91	4	4,356.25	4	4,713.58	4		4		4		4		4		4	
1/4	3,647.98	1/4	4,006.35	1/4	4,363.69	1/4	4,721.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,655.45	1/2	4,013.80	1/2	4,371.13	1/2	4,728.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,662.91	3/4	4,021.24	3/4	4,378.58	3/4	4,735.92	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,670.38	5	4,028.69	5	4,386.02	5	4,743.36	5		5		5		5		5		5	
1/4	3,677.85	1/4	4,036.13	1/4	4,393.47	1/4	4,750.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.31	1/2	4,043.58	1/2	4,400.91	1/2	4,758.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,692.78	3/4	4,051.02	3/4	4,408.36	3/4	4,765.69	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,700.25	6	4,058.47	6	4,415.80	6	4,773.14	6		6		6		6		6		6	
1/4	3,707.71	1/4	4,065.91	1/4	4,423.25	1/4	4,780.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.18	1/2	4,073.35	1/2	4,430.69	1/2	4,787.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,722.65	3/4	4,080.80	3/4	4,438.14	3/4	4,795.25	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,730.11	7	4,088.24	7	4,445.58	7	4,802.62	7		7		7		7		7		7	
1/4	3,737.58	1/4	4,095.69	1/4	4,453.02	1/4	4,809.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.05	1/2	4,103.13	1/2	4,460.47	1/2	4,817.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,752.51	3/4	4,110.58	3/4	4,467.91	3/4	4,824.74	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,759.98	8	4,118.02	8	4,475.36	8	4,832.11	8		8		8		8		8		8	
1/4	3,767.45	1/4	4,125.47	1/4	4,482.80	1/4	4,839.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,774.91	1/2	4,132.91	1/2	4,490.25	1/2	4,846.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,782.38	3/4	4,140.36	3/4	4,497.69	3/4	4,854.22	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,789.84	9	4,147.80	9	4,505.14	9	4,861.59	9		9		9		9		9		9	
1/4	3,797.31	1/4	4,155.24	1/4	4,512.58	1/4	4,868.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,804.78	1/2	4,162.69	1/2	4,520.02	1/2	4,876.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,812.24	3/4	4,170.13	3/4	4,527.47	3/4	4,883.71	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,819.71	10	4,177.58	10	4,534.91	10	4,891.09	10		10		10		10		10		10	
1/4	3,827.18	1/4	4,185.02	1/4	4,542.36	1/4	4,898.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,834.64	1/2	4,192.47	1/2	4,549.80	1/2	4,905.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,842.11	3/4	4,199.91	3/4	4,557.25	3/4	4,913.19	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,849.58	11	4,207.36	11	4,564.69	11	4,920.56	11		11		11		11		11		11	
1/4	3,857.04	1/4	4,214.80	1/4	4,572.14	1/4	4,927.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,864.51	1/2	4,222.24	1/2	4,579.58	1/2	4,935.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,871.98	3/4	4,229.69	3/4	4,587.03	3/4	4,942.64	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29145"

2 PORT INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.36	0	359.92	0	719.68	0	1,069.69	0	1,424.69	0	1,784.44	0	2,144.20	0	2,503.95	0	2,863.71	0	3,223.46
1/4	20.04	1/4	367.42	1/4	727.17	1/4	1,076.88	1/4	1,432.18	1/4	1,791.94	1/4	2,151.69	1/4	2,511.45	1/4	2,871.20	1/4	3,230.96
1/2	24.72	1/2	374.91	1/2	734.67	1/2	1,084.06	1/2	1,439.68	1/2	1,799.43	1/2	2,159.19	1/2	2,518.94	1/2	2,878.70	1/2	3,238.45
3/4	29.41	3/4	382.41	3/4	742.16	3/4	1,091.25	3/4	1,447.17	3/4	1,806.93	3/4	2,166.68	3/4	2,526.44	3/4	2,886.19	3/4	3,245.95
1	34.09	1	389.90	1	749.66	1	1,098.44	1	1,454.67	1	1,814.42	1	2,174.18	1	2,533.93	1	2,893.69	1	3,253.44
1/4	40.65	1/4	397.40	1/4	757.15	1/4	1,105.63	1/4	1,462.16	1/4	1,821.92	1/4	2,181.67	1/4	2,541.43	1/4	2,901.18	1/4	3,260.94
1/2	47.21	1/2	404.89	1/2	764.65	1/2	1,112.83	1/2	1,469.66	1/2	1,829.41	1/2	2,189.17	1/2	2,548.92	1/2	2,908.68	1/2	3,268.43
3/4	53.76	3/4	412.39	3/4	772.14	3/4	1,120.03	3/4	1,477.15	3/4	1,836.91	3/4	2,196.66	3/4	2,556.42	3/4	2,916.17	3/4	3,275.93
2	60.32	2	419.88	2	779.64	2	1,127.22	2	1,484.65	2	1,844.40	2	2,204.16	2	2,563.91	2	2,923.67	2	3,283.42
1/4	67.78	1/4	427.38	1/4	787.13	1/4	1,134.42	1/4	1,492.14	1/4	1,851.90	1/4	2,211.65	1/4	2,571.41	1/4	2,931.16	1/4	3,290.92
1/2	75.24	1/2	434.87	1/2	794.63	1/2	1,141.61	1/2	1,499.64	1/2	1,859.39	1/2	2,219.15	1/2	2,578.90	1/2	2,938.66	1/2	3,298.41
3/4	82.69	3/4	442.36	3/4	802.12	3/4	1,148.81	3/4	1,507.13	3/4	1,866.89	3/4	2,226.64	3/4	2,586.40	3/4	2,946.15	3/4	3,305.91
3	90.15	3	449.86	3	809.62	3	1,156.00	3	1,514.63	3	1,874.38	3	2,234.14	3	2,593.89	3	2,953.65	3	3,313.40
1/4	97.64	1/4	457.35	1/4	817.11	1/4	1,163.22	1/4	1,522.12	1/4	1,881.88	1/4	2,241.63	1/4	2,601.39	1/4	2,961.14	1/4	3,320.90
1/2	105.12	1/2	464.85	1/2	824.60	1/2	1,170.43	1/2	1,529.62	1/2	1,889.37	1/2	2,249.13	1/2	2,608.88	1/2	2,968.64	1/2	3,328.39
3/4	112.61	3/4	472.34	3/4	832.10	3/4	1,177.64	3/4	1,537.11	3/4	1,896.87	3/4	2,256.62	3/4	2,616.38	3/4	2,976.13	3/4	3,335.89
4	120.09	4	479.84	4	839.59	4	1,184.85	4	1,544.61	4	1,904.36	4	2,264.12	4	2,623.87	4	2,983.63	4	3,343.38
1/4	127.58	1/4	487.33	1/4	846.81	1/4	1,192.35	1/4	1,552.10	1/4	1,911.86	1/4	2,271.61	1/4	2,631.37	1/4	2,991.12	1/4	3,350.88
1/2	135.08	1/2	494.83	1/2	854.02	1/2	1,199.84	1/2	1,559.60	1/2	1,919.35	1/2	2,279.11	1/2	2,638.86	1/2	2,998.62	1/2	3,358.37
3/4	142.57	3/4	502.32	3/4	861.23	3/4	1,207.34	3/4	1,567.09	3/4	1,926.85	3/4	2,286.60	3/4	2,646.36	3/4	3,006.11	3/4	3,365.87
5	150.06	5	509.82	5	868.44	5	1,214.83	5	1,574.59	5	1,934.34	5	2,294.10	5	2,653.85	5	3,013.61	5	3,373.36
1/4	157.56	1/4	517.31	1/4	875.63	1/4	1,222.33	1/4	1,582.08	1/4	1,941.84	1/4	2,301.59	1/4	2,661.35	1/4	3,021.10	1/4	3,380.86
1/2	165.05	1/2	524.81	1/2	882.82	1/2	1,229.82	1/2	1,589.58	1/2	1,949.33	1/2	2,309.09	1/2	2,668.84	1/2	3,028.60	1/2	3,388.35
3/4	172.55	3/4	532.30	3/4	890.00	3/4	1,237.32	3/4	1,597.07	3/4	1,956.83	3/4	2,316.58	3/4	2,676.34	3/4	3,036.09	3/4	3,395.85
6	180.04	6	539.80	6	897.19	6	1,244.81	6	1,604.57	6	1,964.32	6	2,324.08	6	2,683.83	6	3,043.59	6	3,403.34
1/4	187.54	1/4	547.29	1/4	904.38	1/4	1,252.31	1/4	1,612.06	1/4	1,971.82	1/4	2,331.57	1/4	2,691.33	1/4	3,051.08	1/4	3,410.84
1/2	195.03	1/2	554.79	1/2	911.57	1/2	1,259.80	1/2	1,619.56	1/2	1,979.31	1/2	2,339.07	1/2	2,698.82	1/2	3,058.58	1/2	3,418.33
3/4	202.53	3/4	562.28	3/4	918.75	3/4	1,267.29	3/4	1,627.05	3/4	1,986.81	3/4	2,346.56	3/4	2,706.32	3/4	3,066.07	3/4	3,425.83
7	210.02	7	569.78	7	925.94	7	1,274.79	7	1,634.55	7	1,994.30	7	2,354.06	7	2,713.81	7	3,073.57	7	3,433.32
1/4	217.52	1/4	577.27	1/4	933.13	1/4	1,282.28	1/4	1,642.04	1/4	2,001.80	1/4	2,361.55	1/4	2,721.31	1/4	3,081.06	1/4	3,440.82
1/2	225.01	1/2	584.77	1/2	940.32	1/2	1,289.78	1/2	1,649.53	1/2	2,009.29	1/2	2,369.05	1/2	2,728.80	1/2	3,088.56	1/2	3,448.31
3/4	232.51	3/4	592.26	3/4	947.50	3/4	1,297.27	3/4	1,657.03	3/4	2,016.78	3/4	2,376.54	3/4	2,736.30	3/4	3,096.05	3/4	3,455.81
8	240.00	8	599.76	8	954.69	8	1,304.77	8	1,664.52	8	2,024.28	8	2,384.04	8	2,743.79	8	3,103.55	8	3,463.30
1/4	247.50	1/4	607.25	1/4	961.88	1/4	1,312.26	1/4	1,672.02	1/4	2,031.77	1/4	2,391.53	1/4	2,751.29	1/4	3,111.04	1/4	3,470.80
1/2	254.99	1/2	614.75	1/2	969.07	1/2	1,319.76	1/2	1,679.51	1/2	2,039.27	1/2	2,399.02	1/2	2,758.78	1/2	3,118.54	1/2	3,478.29
3/4	262.49	3/4	622.24	3/4	976.25	3/4	1,327.25	3/4	1,687.01	3/4	2,046.76	3/4	2,406.52	3/4	2,766.27	3/4	3,126.03	3/4	3,485.79
9	269.98	9	629.74	9	983.44	9	1,334.75	9	1,694.50	9	2,054.26	9	2,414.01	9	2,773.77	9	3,133.53	9	3,493.28
1/4	277.48	1/4	637.23	1/4	990.63	1/4	1,342.24	1/4	1,702.00	1/4	2,061.75	1/4	2,421.51	1/4	2,781.26	1/4	3,141.02	1/4	3,500.78
1/2	284.97	1/2	644.73	1/2	997.82	1/2	1,349.74	1/2	1,709.49	1/2	2,069.25	1/2	2,429.00	1/2	2,788.76	1/2	3,148.51	1/2	3,508.27
3/4	292.47	3/4	652.22	3/4	1,005.00	3/4	1,357.23	3/4	1,716.99	3/4	2,076.74	3/4	2,436.50	3/4	2,796.25	3/4	3,156.01	3/4	3,515.76
10	299.96	10	659.72	10	1,012.19	10	1,364.73	10	1,724.48	10	2,084.24	10	2,443.99	10	2,803.75	10	3,163.50	10	3,523.26
1/4	307.46	1/4	667.21	1/4	1,019.38	1/4	1,372.22	1/4	1,731.98	1/4	2,091.73	1/4	2,451.49	1/4	2,811.24	1/4	3,171.00	1/4	3,530.75
1/2	314.95	1/2	674.71	1/2	1,026.57	1/2	1,379.72	1/2	1,739.47	1/2	2,099.23	1/2	2,458.98	1/2	2,818.74	1/2	3,178.49	1/2	3,538.25
3/4	322.45	3/4	682.20	3/4	1,033.75	3/4	1,387.21	3/4	1,746.97	3/4	2,106.72	3/4	2,466.48	3/4	2,826.23	3/4	3,185.99	3/4	3,545.74
11	329.94	11	689.70	11	1,040.94	11	1,394.71	11	1,754.46	11	2,114.22	11	2,473.97	11	2,833.73	11	3,193.48	11	3,553.24
1/4	337.44	1/4	697.19	1/4	1,048.13	1/4	1,402.20	1/4	1,761.96	1/4	2,121.71	1/4	2,481.47	1/4	2,841.22	1/4	3,200.98	1/4	3,560.73
1/2	344.93	1/2	704.69	1/2	1,055.31	1/2	1,409.70	1/2	1,769.45	1/2	2,129.21	1/2	2,488.96	1/2	2,848.72	1/2	3,208.47	1/2	3,568.23
3/4	352.43	3/4	712.18	3/4	1,062.50	3/4	1,417.19	3/4	1,776.95	3/4	2,136.70	3/4	2,496.46	3/4	2,856.21	3/4	3,215.97	3/4	3,575.72

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 13'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29145"

2 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,583.22	0	3,942.97	0	4,302.03	0	4,660.74	0	5,017.79	0		0		0		0		0	
1/4	3,590.71	1/4	3,950.47	1/4	4,309.50	1/4	4,668.21	1/4	5,025.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,598.21	1/2	3,957.96	1/2	4,316.98	1/2	4,675.69	1/2	5,032.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,605.70	3/4	3,965.46	3/4	4,324.45	3/4	4,683.16	3/4	5,039.79	3/4		3/4		3/4		3/4		3/4	
1	3,613.20	1	3,972.95	1	4,331.92	1	4,690.63	1	5,047.13	1		1		1		1		1	
1/4	3,620.69	1/4	3,980.45	1/4	4,339.40	1/4	4,698.11	1/4	5,053.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.19	1/2	3,987.94	1/2	4,346.87	1/2	4,705.58	1/2	5,060.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,635.68	3/4	3,995.44	3/4	4,354.34	3/4	4,713.05	3/4	5,066.54	3/4		3/4		3/4		3/4		3/4	
2	3,643.18	2	4,002.93	2	4,361.82	2	4,720.53	2	5,073.01	2		2		2		2		2	
1/4	3,650.67	1/4	4,010.43	1/4	4,369.29	1/4	4,728.00	1/4	5,078.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,658.17	1/2	4,017.92	1/2	4,376.76	1/2	4,735.47	1/2	5,083.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,665.66	3/4	4,025.42	3/4	4,384.24	3/4	4,742.94	3/4	5,088.67	3/4		3/4		3/4		3/4		3/4	
3	3,673.16	3	4,032.91	3	4,391.71	3	4,750.42	3	5,093.89	3		3		3		3		3	
1/4	3,680.65	1/4	4,040.41	1/4	4,399.18	1/4	4,757.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.15	1/2	4,047.90	1/2	4,406.66	1/2	4,765.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.64	3/4	4,055.40	3/4	4,414.13	3/4	4,772.84	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,703.14	4	4,062.89	4	4,421.60	4	4,780.31	4		4		4		4		4		4	
1/4	3,710.63	1/4	4,070.37	1/4	4,429.07	1/4	4,787.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,718.13	1/2	4,077.84	1/2	4,436.55	1/2	4,795.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.62	3/4	4,085.31	3/4	4,444.02	3/4	4,802.73	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,733.12	5	4,092.79	5	4,451.49	5	4,810.20	5		5		5		5		5		5	
1/4	3,740.61	1/4	4,100.26	1/4	4,458.97	1/4	4,817.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,748.11	1/2	4,107.73	1/2	4,466.44	1/2	4,825.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,755.60	3/4	4,115.20	3/4	4,473.91	3/4	4,832.62	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,763.10	6	4,122.68	6	4,481.39	6	4,840.10	6		6		6		6		6		6	
1/4	3,770.59	1/4	4,130.15	1/4	4,488.86	1/4	4,847.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,778.09	1/2	4,137.62	1/2	4,496.33	1/2	4,854.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,785.58	3/4	4,145.10	3/4	4,503.81	3/4	4,862.32	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,793.08	7	4,152.57	7	4,511.28	7	4,869.72	7		7		7		7		7		7	
1/4	3,800.57	1/4	4,160.04	1/4	4,518.75	1/4	4,877.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,808.07	1/2	4,167.52	1/2	4,526.22	1/2	4,884.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,815.56	3/4	4,174.99	3/4	4,533.70	3/4	4,891.94	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,823.06	8	4,182.46	8	4,541.17	8	4,899.35	8		8		8		8		8		8	
1/4	3,830.55	1/4	4,189.94	1/4	4,548.64	1/4	4,906.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,838.05	1/2	4,197.41	1/2	4,556.12	1/2	4,914.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,845.54	3/4	4,204.88	3/4	4,563.59	3/4	4,921.57	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,853.04	9	4,212.35	9	4,571.06	9	4,928.98	9		9		9		9		9		9	
1/4	3,860.53	1/4	4,219.83	1/4	4,578.54	1/4	4,936.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,868.03	1/2	4,227.30	1/2	4,586.01	1/2	4,943.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,875.52	3/4	4,234.77	3/4	4,593.48	3/4	4,951.20	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,883.02	10	4,242.25	10	4,600.96	10	4,958.61	10		10		10		10		10		10	
1/4	3,890.51	1/4	4,249.72	1/4	4,608.43	1/4	4,966.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,898.00	1/2	4,257.19	1/2	4,615.90	1/2	4,973.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,905.50	3/4	4,264.67	3/4	4,623.38	3/4	4,980.82	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,912.99	11	4,272.14	11	4,630.85	11	4,988.22	11		11		11		11		11		11	
1/4	3,920.49	1/4	4,279.61	1/4	4,638.32	1/4	4,995.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,927.98	1/2	4,287.09	1/2	4,645.79	1/2	5,003.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,935.48	3/4	4,294.56	3/4	4,653.27	3/4	5,010.40	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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





BARGE "CTC 29145"

2 STBD INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.34	0	359.68	0	719.19	0	1,078.29	0	1,437.70	0	1,797.21	0	2,156.72	0	2,516.23	0	2,875.68	0	3,235.08
1/4	20.03	1/4	367.17	1/4	726.68	1/4	1,085.77	1/4	1,445.19	1/4	1,804.70	1/4	2,164.21	1/4	2,523.72	1/4	2,883.17	1/4	3,242.57
1/2	24.71	1/2	374.66	1/2	734.17	1/2	1,093.24	1/2	1,452.68	1/2	1,812.19	1/2	2,171.70	1/2	2,531.21	1/2	2,890.65	1/2	3,250.05
3/4	29.39	3/4	382.15	3/4	741.66	3/4	1,100.72	3/4	1,460.17	3/4	1,819.68	3/4	2,179.19	3/4	2,538.70	3/4	2,898.14	3/4	3,257.54
1	34.07	1	389.63	1	749.15	1	1,108.19	1	1,467.66	1	1,827.17	1	2,186.68	1	2,546.19	1	2,905.63	1	3,265.03
1/4	40.62	1/4	397.12	1/4	756.64	1/4	1,115.68	1/4	1,475.15	1/4	1,834.66	1/4	2,194.17	1/4	2,553.68	1/4	2,913.12	1/4	3,272.52
1/2	47.17	1/2	404.61	1/2	764.12	1/2	1,123.16	1/2	1,482.64	1/2	1,842.15	1/2	2,201.66	1/2	2,561.17	1/2	2,920.60	1/2	3,280.00
3/4	53.73	3/4	412.10	3/4	771.61	3/4	1,130.65	3/4	1,490.13	3/4	1,849.64	3/4	2,209.15	3/4	2,568.66	3/4	2,928.09	3/4	3,287.49
2	60.28	2	419.59	2	779.10	2	1,138.13	2	1,497.62	2	1,857.13	2	2,216.64	2	2,576.15	2	2,935.58	2	3,294.98
1/4	67.73	1/4	427.08	1/4	786.59	1/4	1,145.62	1/4	1,505.11	1/4	1,864.62	1/4	2,224.13	1/4	2,583.64	1/4	2,943.07	1/4	3,302.47
1/2	75.18	1/2	434.57	1/2	794.08	1/2	1,153.10	1/2	1,512.60	1/2	1,872.11	1/2	2,231.62	1/2	2,591.13	1/2	2,950.55	1/2	3,309.95
3/4	82.64	3/4	442.06	3/4	801.57	3/4	1,160.58	3/4	1,520.09	3/4	1,879.60	3/4	2,239.11	3/4	2,598.62	3/4	2,958.04	3/4	3,317.44
3	90.09	3	449.55	3	809.06	3	1,168.07	3	1,527.58	3	1,887.09	3	2,246.60	3	2,606.11	3	2,965.53	3	3,324.93
1/4	97.57	1/4	457.04	1/4	816.55	1/4	1,175.56	1/4	1,535.07	1/4	1,894.58	1/4	2,254.09	1/4	2,613.60	1/4	2,973.02	1/4	3,332.42
1/2	105.05	1/2	464.53	1/2	824.04	1/2	1,183.05	1/2	1,542.56	1/2	1,902.07	1/2	2,261.58	1/2	2,621.09	1/2	2,980.50	1/2	3,339.90
3/4	112.53	3/4	472.02	3/4	831.53	3/4	1,190.54	3/4	1,550.05	3/4	1,909.56	3/4	2,269.07	3/4	2,628.58	3/4	2,987.99	3/4	3,347.39
4	120.01	4	479.51	4	839.02	4	1,198.03	4	1,557.54	4	1,917.05	4	2,276.56	4	2,636.07	4	2,995.48	4	3,354.88
1/4	127.50	1/4	487.00	1/4	846.51	1/4	1,205.52	1/4	1,565.03	1/4	1,924.54	1/4	2,284.05	1/4	2,643.56	1/4	3,002.97	1/4	3,362.37
1/2	134.98	1/2	494.49	1/2	854.00	1/2	1,213.01	1/2	1,572.52	1/2	1,932.03	1/2	2,291.54	1/2	2,651.05	1/2	3,010.45	1/2	3,369.85
3/4	142.47	3/4	501.98	3/4	861.49	3/4	1,220.50	3/4	1,580.01	3/4	1,939.52	3/4	2,299.03	3/4	2,658.54	3/4	3,017.94	3/4	3,377.34
5	149.96	5	509.47	5	868.98	5	1,227.99	5	1,587.50	5	1,947.01	5	2,306.52	5	2,666.03	5	3,025.43	5	3,384.83
1/4	157.45	1/4	516.96	1/4	876.46	1/4	1,235.48	1/4	1,594.99	1/4	1,954.50	1/4	2,314.01	1/4	2,673.52	1/4	3,032.92	1/4	3,392.32
1/2	164.94	1/2	524.45	1/2	883.93	1/2	1,242.97	1/2	1,602.48	1/2	1,961.99	1/2	2,321.50	1/2	2,681.00	1/2	3,040.40	1/2	3,399.80
3/4	172.43	3/4	531.94	3/4	891.41	3/4	1,250.46	3/4	1,609.97	3/4	1,969.48	3/4	2,328.99	3/4	2,688.49	3/4	3,047.89	3/4	3,407.29
6	179.92	6	539.43	6	898.88	6	1,257.95	6	1,617.46	6	1,976.97	6	2,336.48	6	2,695.98	6	3,055.38	6	3,414.78
1/4	187.41	1/4	546.92	1/4	906.36	1/4	1,265.44	1/4	1,624.95	1/4	1,984.46	1/4	2,343.97	1/4	2,703.47	1/4	3,062.87	1/4	3,422.27
1/2	194.90	1/2	554.41	1/2	913.83	1/2	1,272.93	1/2	1,632.44	1/2	1,991.95	1/2	2,351.46	1/2	2,710.95	1/2	3,070.35	1/2	3,429.75
3/4	202.39	3/4	561.90	3/4	921.31	3/4	1,280.42	3/4	1,639.93	3/4	1,999.44	3/4	2,358.95	3/4	2,718.44	3/4	3,077.84	3/4	3,437.24
7	209.88	7	569.39	7	928.79	7	1,287.91	7	1,647.42	7	2,006.93	7	2,366.44	7	2,725.93	7	3,085.33	7	3,444.73
1/4	217.37	1/4	576.88	1/4	936.26	1/4	1,295.40	1/4	1,654.91	1/4	2,014.42	1/4	2,373.93	1/4	2,733.42	1/4	3,092.82	1/4	3,452.22
1/2	224.86	1/2	584.37	1/2	943.74	1/2	1,302.88	1/2	1,662.40	1/2	2,021.91	1/2	2,381.42	1/2	2,740.90	1/2	3,100.30	1/2	3,459.70
3/4	232.35	3/4	591.86	3/4	951.21	3/4	1,310.37	3/4	1,669.89	3/4	2,029.40	3/4	2,388.91	3/4	2,748.39	3/4	3,107.79	3/4	3,467.19
8	239.84	8	599.35	8	958.69	8	1,317.86	8	1,677.37	8	2,036.89	8	2,396.40	8	2,755.88	8	3,115.28	8	3,474.68
1/4	247.33	1/4	606.84	1/4	966.16	1/4	1,325.35	1/4	1,684.86	1/4	2,044.38	1/4	2,403.89	1/4	2,763.37	1/4	3,122.77	1/4	3,482.17
1/2	254.82	1/2	614.33	1/2	973.64	1/2	1,332.84	1/2	1,692.35	1/2	2,051.86	1/2	2,411.38	1/2	2,770.85	1/2	3,130.25	1/2	3,489.65
3/4	262.31	3/4	621.82	3/4	981.11	3/4	1,340.33	3/4	1,699.84	3/4	2,059.35	3/4	2,418.87	3/4	2,778.34	3/4	3,137.74	3/4	3,497.14
9	269.80	9	629.31	9	988.59	9	1,347.82	9	1,707.33	9	2,066.84	9	2,426.35	9	2,785.83	9	3,145.23	9	3,504.63
1/4	277.29	1/4	636.80	1/4	996.06	1/4	1,355.31	1/4	1,714.82	1/4	2,074.33	1/4	2,433.84	1/4	2,793.32	1/4	3,152.72	1/4	3,512.12
1/2	284.78	1/2	644.29	1/2	1,003.54	1/2	1,362.80	1/2	1,722.31	1/2	2,081.82	1/2	2,441.33	1/2	2,800.80	1/2	3,160.20	1/2	3,519.60
3/4	292.27	3/4	651.78	3/4	1,011.01	3/4	1,370.29	3/4	1,729.80	3/4	2,089.31	3/4	2,448.82	3/4	2,808.29	3/4	3,167.69	3/4	3,527.09
10	299.76	10	659.27	10	1,018.49	10	1,377.78	10	1,737.29	10	2,096.80	10	2,456.31	10	2,815.78	10	3,175.18	10	3,534.58
1/4	307.25	1/4	666.76	1/4	1,025.97	1/4	1,385.27	1/4	1,744.78	1/4	2,104.29	1/4	2,463.80	1/4	2,823.27	1/4	3,182.67	1/4	3,542.07
1/2	314.74	1/2	674.25	1/2	1,033.44	1/2	1,392.76	1/2	1,752.27	1/2	2,111.78	1/2	2,471.29	1/2	2,830.75	1/2	3,190.15	1/2	3,549.55
3/4	322.23	3/4	681.74	3/4	1,040.92	3/4	1,400.25	3/4	1,759.76	3/4	2,119.27	3/4	2,478.78	3/4	2,838.24	3/4	3,197.64	3/4	3,557.04
11	329.72	11	689.23	11	1,048.39	11	1,407.74	11	1,767.25	11	2,126.76	11	2,486.27	11	2,845.73	11	3,205.13	11	3,564.53
1/4	337.21	1/4	696.72	1/4	1,055.87	1/4	1,415.23	1/4	1,774.74	1/4	2,134.25	1/4	2,493.76	1/4	2,853.22	1/4	3,212.62	1/4	3,572.02
1/2	344.70	1/2	704.21	1/2	1,063.34	1/2	1,422.72	1/2	1,782.23	1/2	2,141.74	1/2	2,501.25	1/2	2,860.70	1/2	3,220.10	1/2	3,579.50
3/4	352.19	3/4	711.70	3/4	1,070.82	3/4	1,430.21	3/4	1,789.72	3/4	2,149.23	3/4	2,508.74	3/4	2,868.19	3/4	3,227.59	3/4	3,586.99

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 13'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29145"

2 STBD INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,594.48	0	3,953.88	0	4,312.59	0	4,670.97	0	5,027.52	0		0		0		0		0	
1/4	3,601.97	1/4	3,961.37	1/4	4,320.06	1/4	4,678.43	1/4	5,034.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,609.45	1/2	3,968.85	1/2	4,327.53	1/2	4,685.90	1/2	5,042.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,616.94	3/4	3,976.34	3/4	4,334.99	3/4	4,693.36	3/4	5,049.49	3/4		3/4		3/4		3/4		3/4	
1	3,624.43	1	3,983.83	1	4,342.46	1	4,700.83	1	5,056.82	1		1		1		1		1	
1/4	3,631.92	1/4	3,991.32	1/4	4,349.92	1/4	4,708.30	1/4	5,063.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.40	1/2	3,998.80	1/2	4,357.39	1/2	4,715.76	1/2	5,069.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.89	3/4	4,006.29	3/4	4,364.86	3/4	4,723.23	3/4	5,076.19	3/4		3/4		3/4		3/4		3/4	
2	3,654.38	2	4,013.78	2	4,372.32	2	4,730.70	2	5,082.65	2		2		2		2		2	
1/4	3,661.87	1/4	4,021.27	1/4	4,379.79	1/4	4,738.16	1/4	5,087.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,669.35	1/2	4,028.75	1/2	4,387.25	1/2	4,745.63	1/2	5,093.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.84	3/4	4,036.24	3/4	4,394.72	3/4	4,753.09	3/4	5,098.28	3/4		3/4		3/4		3/4		3/4	
3	3,684.33	3	4,043.73	3	4,402.19	3	4,760.56	3	5,103.49	3		3		3		3		3	
1/4	3,691.82	1/4	4,051.22	1/4	4,409.65	1/4	4,768.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.30	1/2	4,058.70	1/2	4,417.12	1/2	4,775.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.79	3/4	4,066.19	3/4	4,424.59	3/4	4,782.96	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,714.28	4	4,073.68	4	4,432.05	4	4,790.42	4		4		4		4		4		4	
1/4	3,721.77	1/4	4,081.14	1/4	4,439.52	1/4	4,797.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.25	1/2	4,088.61	1/2	4,446.98	1/2	4,805.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.74	3/4	4,096.08	3/4	4,454.45	3/4	4,812.82	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,744.23	5	4,103.54	5	4,461.92	5	4,820.29	5		5		5		5		5		5	
1/4	3,751.72	1/4	4,111.01	1/4	4,469.38	1/4	4,827.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.20	1/2	4,118.48	1/2	4,476.85	1/2	4,835.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.69	3/4	4,125.94	3/4	4,484.31	3/4	4,842.69	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,774.18	6	4,133.41	6	4,491.78	6	4,850.15	6		6		6		6		6		6	
1/4	3,781.67	1/4	4,140.87	1/4	4,499.25	1/4	4,857.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,789.15	1/2	4,148.34	1/2	4,506.71	1/2	4,864.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,796.64	3/4	4,155.81	3/4	4,514.18	3/4	4,872.33	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,804.13	7	4,163.27	7	4,521.64	7	4,879.72	7		7		7		7		7		7	
1/4	3,811.62	1/4	4,170.74	1/4	4,529.11	1/4	4,887.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,819.10	1/2	4,178.20	1/2	4,536.58	1/2	4,894.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,826.59	3/4	4,185.67	3/4	4,544.04	3/4	4,901.90	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,834.08	8	4,193.14	8	4,551.51	8	4,909.29	8		8		8		8		8		8	
1/4	3,841.57	1/4	4,200.60	1/4	4,558.98	1/4	4,916.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,849.05	1/2	4,208.07	1/2	4,566.44	1/2	4,924.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,856.54	3/4	4,215.53	3/4	4,573.91	3/4	4,931.46	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,864.03	9	4,223.00	9	4,581.37	9	4,938.86	9		9		9		9		9		9	
1/4	3,871.52	1/4	4,230.47	1/4	4,588.84	1/4	4,946.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,879.00	1/2	4,237.93	1/2	4,596.31	1/2	4,953.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,886.49	3/4	4,245.40	3/4	4,603.77	3/4	4,961.04	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,893.98	10	4,252.86	10	4,611.24	10	4,968.43	10		10		10		10		10		10	
1/4	3,901.47	1/4	4,260.33	1/4	4,618.70	1/4	4,975.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,908.95	1/2	4,267.80	1/2	4,626.17	1/2	4,983.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,916.44	3/4	4,275.26	3/4	4,633.64	3/4	4,990.61	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,923.93	11	4,282.73	11	4,641.10	11	4,998.00	11		11		11		11		11		11	
1/4	3,931.42	1/4	4,290.20	1/4	4,648.57	1/4	5,005.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,938.90	1/2	4,297.66	1/2	4,656.03	1/2	5,012.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,946.39	3/4	4,305.13	3/4	4,663.50	3/4	5,020.14	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29145"

3 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.29	0	358.23	0	715.83	0	1,063.77	0	1,417.36	0	1,774.66	0	2,131.22	0	2,488.50	0	2,845.50	0	3,202.47
1/4	19.95	1/4	365.68	1/4	723.28	1/4	1,070.92	1/4	1,424.81	1/4	1,782.08	1/4	2,138.67	1/4	2,495.94	1/4	2,852.94	1/4	3,209.88
1/2	24.62	1/2	373.13	1/2	730.73	1/2	1,078.07	1/2	1,432.25	1/2	1,789.51	1/2	2,146.11	1/2	2,503.38	1/2	2,860.37	1/2	3,217.29
3/4	29.28	3/4	380.58	3/4	738.18	3/4	1,085.23	3/4	1,439.70	3/4	1,796.94	3/4	2,153.55	3/4	2,510.82	3/4	2,867.81	3/4	3,224.70
1	33.94	1	388.03	1	745.63	1	1,092.38	1	1,447.14	1	1,804.37	1	2,160.99	1	2,518.26	1	2,875.25	1	3,232.11
1/4	40.47	1/4	395.48	1/4	753.08	1/4	1,099.60	1/4	1,454.59	1/4	1,811.80	1/4	2,168.43	1/4	2,525.70	1/4	2,882.68	1/4	3,239.51
1/2	47.00	1/2	402.93	1/2	760.53	1/2	1,106.83	1/2	1,462.03	1/2	1,819.23	1/2	2,175.87	1/2	2,533.13	1/2	2,890.12	1/2	3,246.92
3/4	53.53	3/4	410.38	3/4	767.98	3/4	1,114.05	3/4	1,469.48	3/4	1,826.66	3/4	2,183.32	3/4	2,540.57	3/4	2,897.56	3/4	3,254.33
2	60.05	2	417.83	2	775.43	2	1,121.28	2	1,476.92	2	1,834.08	2	2,190.76	2	2,548.01	2	2,905.00	2	3,261.74
1/4	67.48	1/4	425.28	1/4	782.88	1/4	1,128.50	1/4	1,484.37	1/4	1,841.51	1/4	2,198.20	1/4	2,555.45	1/4	2,912.43	1/4	3,269.15
1/2	74.90	1/2	432.73	1/2	790.33	1/2	1,135.72	1/2	1,491.81	1/2	1,848.94	1/2	2,205.64	1/2	2,562.89	1/2	2,919.87	1/2	3,276.56
3/4	82.33	3/4	440.18	3/4	797.78	3/4	1,142.95	3/4	1,499.26	3/4	1,856.37	3/4	2,213.08	3/4	2,570.32	3/4	2,927.31	3/4	3,283.96
3	89.75	3	447.63	3	805.23	3	1,150.17	3	1,506.70	3	1,863.80	3	2,220.52	3	2,577.76	3	2,934.74	3	3,291.37
1/4	97.21	1/4	455.08	1/4	812.62	1/4	1,157.41	1/4	1,514.15	1/4	1,871.23	1/4	2,227.96	1/4	2,585.20	1/4	2,942.18	1/4	3,298.78
1/2	104.66	1/2	462.53	1/2	820.00	1/2	1,164.65	1/2	1,521.59	1/2	1,878.66	1/2	2,235.41	1/2	2,592.64	1/2	2,949.62	1/2	3,306.19
3/4	112.11	3/4	469.98	3/4	827.39	3/4	1,171.88	3/4	1,529.04	3/4	1,886.09	3/4	2,242.85	3/4	2,600.08	3/4	2,957.05	3/4	3,313.60
4	119.56	4	477.43	4	834.78	4	1,179.12	4	1,536.48	4	1,893.51	4	2,250.29	4	2,607.51	4	2,964.49	4	3,321.01
1/4	127.02	1/4	484.88	1/4	841.95	1/4	1,186.57	1/4	1,543.93	1/4	1,900.94	1/4	2,257.73	1/4	2,614.95	1/4	2,971.93	1/4	3,328.42
1/2	134.48	1/2	492.33	1/2	849.13	1/2	1,194.01	1/2	1,551.37	1/2	1,908.37	1/2	2,265.17	1/2	2,622.39	1/2	2,979.36	1/2	3,335.82
3/4	141.94	3/4	499.78	3/4	856.31	3/4	1,201.46	3/4	1,558.82	3/4	1,915.80	3/4	2,272.61	3/4	2,629.83	3/4	2,986.80	3/4	3,343.23
5	149.40	5	507.23	5	863.48	5	1,208.90	5	1,566.26	5	1,923.23	5	2,280.06	5	2,637.27	5	2,994.24	5	3,350.64
1/4	156.86	1/4	514.68	1/4	870.63	1/4	1,216.35	1/4	1,573.71	1/4	1,930.66	1/4	2,287.50	1/4	2,644.70	1/4	3,001.68	1/4	3,358.04
1/2	164.32	1/2	522.13	1/2	877.79	1/2	1,223.79	1/2	1,581.15	1/2	1,938.09	1/2	2,294.95	1/2	2,652.14	1/2	3,009.11	1/2	3,365.45
3/4	171.78	3/4	529.58	3/4	884.94	3/4	1,231.24	3/4	1,588.60	3/4	1,945.51	3/4	2,302.40	3/4	2,659.58	3/4	3,016.55	3/4	3,372.85
6	179.25	6	537.03	6	892.09	6	1,238.68	6	1,596.04	6	1,952.94	6	2,309.84	6	2,667.01	6	3,023.99	6	3,380.26
1/4	186.71	1/4	544.48	1/4	899.25	1/4	1,246.13	1/4	1,603.49	1/4	1,960.37	1/4	2,317.29	1/4	2,674.45	1/4	3,031.42	1/4	3,387.65
1/2	194.17	1/2	551.93	1/2	906.40	1/2	1,253.57	1/2	1,610.93	1/2	1,967.80	1/2	2,324.74	1/2	2,681.89	1/2	3,038.86	1/2	3,395.05
3/4	201.63	3/4	559.38	3/4	913.55	3/4	1,261.02	3/4	1,618.38	3/4	1,975.23	3/4	2,332.19	3/4	2,689.33	3/4	3,046.30	3/4	3,402.44
7	209.09	7	566.83	7	920.71	7	1,268.46	7	1,625.82	7	1,982.66	7	2,339.63	7	2,696.76	7	3,053.73	7	3,409.84
1/4	216.55	1/4	574.28	1/4	927.86	1/4	1,275.91	1/4	1,633.27	1/4	1,990.09	1/4	2,347.08	1/4	2,704.20	1/4	3,061.17	1/4	3,417.01
1/2	224.02	1/2	581.73	1/2	935.01	1/2	1,283.35	1/2	1,640.71	1/2	1,997.51	1/2	2,354.53	1/2	2,711.64	1/2	3,068.61	1/2	3,424.17
3/4	231.48	3/4	589.18	3/4	942.17	3/4	1,290.80	3/4	1,648.16	3/4	2,004.94	3/4	2,361.98	3/4	2,719.07	3/4	3,076.04	3/4	3,431.34
8	238.94	8	596.63	8	949.32	8	1,298.24	8	1,655.60	8	2,012.37	8	2,369.42	8	2,726.51	8	3,083.48	8	3,438.51
1/4	246.40	1/4	604.08	1/4	956.47	1/4	1,305.69	1/4	1,663.05	1/4	2,019.80	1/4	2,376.87	1/4	2,733.95	1/4	3,090.92	1/4	3,445.20
1/2	253.86	1/2	611.53	1/2	963.62	1/2	1,313.13	1/2	1,670.49	1/2	2,027.23	1/2	2,384.32	1/2	2,741.38	1/2	3,098.35	1/2	3,451.89
3/4	261.32	3/4	618.98	3/4	970.78	3/4	1,320.58	3/4	1,677.94	3/4	2,034.66	3/4	2,391.76	3/4	2,748.82	3/4	3,105.79	3/4	3,458.57
9	268.79	9	626.43	9	977.93	9	1,328.02	9	1,685.38	9	2,042.09	9	2,399.21	9	2,756.26	9	3,113.23	9	3,465.26
1/4	276.25	1/4	633.88	1/4	985.08	1/4	1,335.47	1/4	1,692.83	1/4	2,049.51	1/4	2,406.66	1/4	2,763.69	1/4	3,120.67	1/4	3,471.47
1/2	283.71	1/2	641.33	1/2	992.24	1/2	1,342.91	1/2	1,700.27	1/2	2,056.93	1/2	2,414.11	1/2	2,771.13	1/2	3,128.10	1/2	3,477.68
3/4	291.17	3/4	648.78	3/4	999.39	3/4	1,350.36	3/4	1,707.72	3/4	2,064.35	3/4	2,421.55	3/4	2,778.57	3/4	3,135.54	3/4	3,483.90
10	298.63	10	656.23	10	1,006.54	10	1,357.80	10	1,715.16	10	2,071.77	10	2,429.00	10	2,786.00	10	3,142.98	10	3,490.11
1/4	306.08	1/4	663.68	1/4	1,013.70	1/4	1,365.25	1/4	1,722.61	1/4	2,079.19	1/4	2,436.44	1/4	2,793.44	1/4	3,150.41	1/4	3,495.85
1/2	313.53	1/2	671.13	1/2	1,020.85	1/2	1,372.69	1/2	1,730.05	1/2	2,086.61	1/2	2,443.88	1/2	2,800.88	1/2	3,157.85	1/2	3,501.59
3/4	320.98	3/4	678.58	3/4	1,028.00	3/4	1,380.14	3/4	1,737.50	3/4	2,094.04	3/4	2,451.31	3/4	2,808.32	3/4	3,165.29	3/4	3,507.34
11	328.43	11	686.03	11	1,035.16	11	1,387.58	11	1,744.94	11	2,101.46	11	2,458.75	11	2,815.75	11	3,172.72	11	3,513.08
1/4	335.88	1/4	693.48	1/4	1,042.31	1/4	1,395.03	1/4	1,752.37	1/4	2,108.90	1/4	2,466.19	1/4	2,823.19	1/4	3,180.16	1/4	3,518.34
1/2	343.33	1/2	700.93	1/2	1,049.46	1/2	1,402.47	1/2	1,759.80	1/2	2,116.34	1/2	2,473.63	1/2	2,830.63	1/2	3,187.60	1/2	3,523.60
3/4	350.78	3/4	708.38	3/4	1,056.61	3/4	1,409.92	3/4	1,767.23	3/4	2,123.78	3/4	2,481.07	3/4	2,838.06	3/4	3,195.03	3/4	3,528.87

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 13'-00" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29145"

3 PORT INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,534.13	0	3,754.95	0	3,974.39	0	4,193.64	0	4,411.79	0		0		0		0		0	
1/4	3,538.95	1/4	3,759.53	1/4	3,978.96	1/4	4,198.21	1/4	4,416.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.77	1/2	3,764.11	1/2	3,983.53	1/2	4,202.77	1/2	4,420.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,548.59	3/4	3,768.69	3/4	3,988.10	3/4	4,207.34	3/4	4,425.23	3/4		3/4		3/4		3/4		3/4	
1	3,553.41	1	3,773.27	1	3,992.66	1	4,211.91	1	4,429.71	1		1		1		1		1	
1/4	3,557.99	1/4	3,777.85	1/4	3,997.23	1/4	4,216.48	1/4	4,433.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,562.57	1/2	3,782.43	1/2	4,001.80	1/2	4,221.04	1/2	4,437.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,567.15	3/4	3,787.01	3/4	4,006.37	3/4	4,225.61	3/4	4,441.56	3/4		3/4		3/4		3/4		3/4	
2	3,571.73	2	3,791.59	2	4,010.93	2	4,230.18	2	4,445.51	2		2		2		2		2	
1/4	3,576.31	1/4	3,796.17	1/4	4,015.50	1/4	4,234.75	1/4	4,448.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,580.89	1/2	3,800.75	1/2	4,020.07	1/2	4,239.31	1/2	4,451.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,585.47	3/4	3,805.33	3/4	4,024.64	3/4	4,243.88	3/4	4,455.07	3/4		3/4		3/4		3/4		3/4	
3	3,590.05	3	3,809.91	3	4,029.20	3	4,248.45	3	4,458.26	3		3		3		3		3	
1/4	3,594.64	1/4	3,814.49	1/4	4,033.77	1/4	4,253.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,599.22	1/2	3,819.07	1/2	4,038.34	1/2	4,257.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,603.80	3/4	3,823.65	3/4	4,042.91	3/4	4,262.15	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,608.38	4	3,828.23	4	4,047.48	4	4,266.72	4		4		4		4		4		4	
1/4	3,612.96	1/4	3,832.80	1/4	4,052.04	1/4	4,271.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,617.54	1/2	3,837.37	1/2	4,056.61	1/2	4,275.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,622.12	3/4	3,841.93	3/4	4,061.18	3/4	4,280.42	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,626.70	5	3,846.50	5	4,065.75	5	4,284.99	5		5		5		5		5		5	
1/4	3,631.28	1/4	3,851.07	1/4	4,070.31	1/4	4,289.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,635.86	1/2	3,855.64	1/2	4,074.88	1/2	4,294.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,640.44	3/4	3,860.20	3/4	4,079.45	3/4	4,298.69	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,645.02	6	3,864.77	6	4,084.02	6	4,303.26	6		6		6		6		6		6	
1/4	3,649.60	1/4	3,869.34	1/4	4,088.58	1/4	4,307.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,654.18	1/2	3,873.91	1/2	4,093.15	1/2	4,312.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,658.76	3/4	3,878.47	3/4	4,097.72	3/4	4,316.83	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,663.34	7	3,883.04	7	4,102.29	7	4,321.35	7		7		7		7		7		7	
1/4	3,667.92	1/4	3,887.61	1/4	4,106.85	1/4	4,325.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,672.50	1/2	3,892.18	1/2	4,111.42	1/2	4,330.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,677.08	3/4	3,896.74	3/4	4,115.99	3/4	4,334.92	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,681.66	8	3,901.31	8	4,120.56	8	4,339.44	8		8		8		8		8		8	
1/4	3,686.24	1/4	3,905.88	1/4	4,125.12	1/4	4,343.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.82	1/2	3,910.45	1/2	4,129.69	1/2	4,348.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.40	3/4	3,915.01	3/4	4,134.26	3/4	4,353.01	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,699.98	9	3,919.58	9	4,138.83	9	4,357.54	9		9		9		9		9		9	
1/4	3,704.56	1/4	3,924.15	1/4	4,143.39	1/4	4,362.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.14	1/2	3,928.72	1/2	4,147.96	1/2	4,366.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.72	3/4	3,933.29	3/4	4,152.53	3/4	4,371.11	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,718.30	10	3,937.85	10	4,157.10	10	4,375.63	10		10		10		10		10		10	
1/4	3,722.88	1/4	3,942.42	1/4	4,161.67	1/4	4,380.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.46	1/2	3,946.99	1/2	4,166.23	1/2	4,384.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,732.04	3/4	3,951.56	3/4	4,170.80	3/4	4,389.20	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,736.62	11	3,956.12	11	4,175.37	11	4,393.73	11		11		11		11		11		11	
1/4	3,741.20	1/4	3,960.69	1/4	4,179.94	1/4	4,398.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.79	1/2	3,965.26	1/2	4,184.50	1/2	4,402.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,750.37	3/4	3,969.83	3/4	4,189.07	3/4	4,407.27	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29145"

3 STBD INNAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.30	0	358.55	0	716.94	0	1,074.93	0	1,433.22	0	1,791.62	0	2,150.02	0	2,508.34	0	2,866.27	0	3,224.17
1/4	19.96	1/4	366.02	1/4	724.41	1/4	1,082.38	1/4	1,440.69	1/4	1,799.09	1/4	2,157.48	1/4	2,515.80	1/4	2,873.73	1/4	3,231.60
1/2	24.63	1/2	373.49	1/2	731.87	1/2	1,089.83	1/2	1,448.16	1/2	1,806.55	1/2	2,164.95	1/2	2,523.26	1/2	2,881.18	1/2	3,239.03
3/4	29.30	3/4	380.95	3/4	739.34	3/4	1,097.28	3/4	1,455.62	3/4	1,814.02	3/4	2,172.42	3/4	2,530.72	3/4	2,888.64	3/4	3,246.46
1	33.96	1	388.42	1	746.81	1	1,104.74	1	1,463.09	1	1,821.49	1	2,179.88	1	2,538.17	1	2,895.10	1	3,253.88
1/4	40.50	1/4	395.89	1/4	754.27	1/4	1,112.20	1/4	1,470.56	1/4	1,828.95	1/4	2,187.35	1/4	2,545.63	1/4	2,903.55	1/4	3,261.31
1/2	47.03	1/2	403.35	1/2	761.74	1/2	1,119.66	1/2	1,478.02	1/2	1,836.42	1/2	2,194.82	1/2	2,553.09	1/2	2,911.01	1/2	3,268.74
3/4	53.56	3/4	410.82	3/4	769.21	3/4	1,127.12	3/4	1,485.49	3/4	1,843.89	3/4	2,202.28	3/4	2,560.55	3/4	2,918.47	3/4	3,276.17
2	60.09	2	418.28	2	776.67	2	1,134.58	2	1,492.96	2	1,851.35	2	2,209.75	2	2,568.00	2	2,925.92	2	3,283.60
1/4	67.52	1/4	425.75	1/4	784.14	1/4	1,142.04	1/4	1,500.42	1/4	1,858.82	1/4	2,217.22	1/4	2,575.46	1/4	2,933.38	1/4	3,291.02
1/2	74.95	1/2	433.22	1/2	791.60	1/2	1,149.50	1/2	1,507.89	1/2	1,866.29	1/2	2,224.68	1/2	2,582.92	1/2	2,940.83	1/2	3,298.45
3/4	82.38	3/4	440.68	3/4	799.07	3/4	1,156.97	3/4	1,515.36	3/4	1,873.75	3/4	2,232.15	3/4	2,590.38	3/4	2,948.29	3/4	3,305.88
3	89.81	3	448.15	3	806.54	3	1,164.43	3	1,522.82	3	1,881.22	3	2,239.62	3	2,597.83	3	2,955.75	3	3,313.31
1/4	97.27	1/4	455.62	1/4	814.00	1/4	1,171.89	1/4	1,530.29	1/4	1,888.69	1/4	2,247.08	1/4	2,605.29	1/4	2,963.20	1/4	3,320.74
1/2	104.72	1/2	463.08	1/2	821.47	1/2	1,179.36	1/2	1,537.76	1/2	1,896.15	1/2	2,254.55	1/2	2,612.75	1/2	2,970.66	1/2	3,328.16
3/4	112.18	3/4	470.55	3/4	828.94	3/4	1,186.83	3/4	1,545.22	3/4	1,903.62	3/4	2,262.02	3/4	2,620.21	3/4	2,978.12	3/4	3,335.59
4	119.63	4	478.02	4	836.40	4	1,194.29	4	1,552.69	4	1,911.09	4	2,269.48	4	2,627.66	4	2,985.57	4	3,343.02
1/4	127.10	1/4	485.48	1/4	843.87	1/4	1,201.76	1/4	1,560.16	1/4	1,918.55	1/4	2,276.95	1/4	2,635.12	1/4	2,993.03	1/4	3,350.45
1/2	134.56	1/2	492.95	1/2	851.34	1/2	1,209.23	1/2	1,567.62	1/2	1,926.02	1/2	2,284.42	1/2	2,642.58	1/2	3,000.48	1/2	3,357.88
3/4	142.03	3/4	500.42	3/4	858.80	3/4	1,216.69	3/4	1,575.09	3/4	1,933.49	3/4	2,291.88	3/4	2,650.04	3/4	3,007.94	3/4	3,365.30
5	149.49	5	507.88	5	866.27	5	1,224.16	5	1,582.56	5	1,940.95	5	2,299.35	5	2,657.49	5	3,015.40	5	3,372.73
1/4	156.96	1/4	515.35	1/4	873.72	1/4	1,231.63	1/4	1,590.02	1/4	1,948.42	1/4	2,306.82	1/4	2,664.95	1/4	3,022.85	1/4	3,380.15
1/2	164.43	1/2	522.81	1/2	881.17	1/2	1,239.09	1/2	1,597.49	1/2	1,955.89	1/2	2,314.28	1/2	2,672.41	1/2	3,030.31	1/2	3,387.58
3/4	171.89	3/4	530.28	3/4	888.63	3/4	1,246.56	3/4	1,604.96	3/4	1,963.35	3/4	2,321.75	3/4	2,679.86	3/4	3,037.77	3/4	3,395.00
6	179.36	6	537.75	6	896.08	6	1,254.03	6	1,612.42	6	1,970.82	6	2,329.22	6	2,687.32	6	3,045.22	6	3,402.43
1/4	186.83	1/4	545.21	1/4	903.53	1/4	1,261.49	1/4	1,619.89	1/4	1,978.29	1/4	2,336.68	1/4	2,694.78	1/4	3,052.68	1/4	3,409.84
1/2	194.29	1/2	552.68	1/2	910.98	1/2	1,268.96	1/2	1,627.36	1/2	1,985.75	1/2	2,344.15	1/2	2,702.23	1/2	3,060.13	1/2	3,417.25
3/4	201.76	3/4	560.15	3/4	918.43	3/4	1,276.43	3/4	1,634.82	3/4	1,993.22	3/4	2,351.62	3/4	2,709.69	3/4	3,067.59	3/4	3,424.67
7	209.23	7	567.61	7	925.89	7	1,283.89	7	1,642.29	7	2,000.69	7	2,359.08	7	2,717.14	7	3,075.05	7	3,432.08
1/4	216.69	1/4	575.08	1/4	933.34	1/4	1,291.36	1/4	1,649.76	1/4	2,008.15	1/4	2,366.55	1/4	2,724.60	1/4	3,082.50	1/4	3,439.27
1/2	224.16	1/2	582.55	1/2	940.79	1/2	1,298.83	1/2	1,657.22	1/2	2,015.62	1/2	2,374.02	1/2	2,732.06	1/2	3,089.96	1/2	3,446.46
3/4	231.62	3/4	590.01	3/4	948.24	3/4	1,306.29	3/4	1,664.69	3/4	2,023.09	3/4	2,381.48	3/4	2,739.51	3/4	3,097.42	3/4	3,453.64
8	239.09	8	597.48	8	955.69	8	1,313.76	8	1,672.16	8	2,030.55	8	2,388.95	8	2,746.97	8	3,104.87	8	3,460.83
1/4	246.56	1/4	604.94	1/4	963.15	1/4	1,321.23	1/4	1,679.62	1/4	2,038.02	1/4	2,396.42	1/4	2,754.43	1/4	3,112.33	1/4	3,467.54
1/2	254.02	1/2	612.41	1/2	970.60	1/2	1,328.69	1/2	1,687.09	1/2	2,045.49	1/2	2,403.88	1/2	2,761.88	1/2	3,119.79	1/2	3,474.25
3/4	261.49	3/4	619.88	3/4	978.05	3/4	1,336.16	3/4	1,694.56	3/4	2,052.95	3/4	2,411.35	3/4	2,769.34	3/4	3,127.24	3/4	3,480.95
9	268.96	9	627.34	9	985.50	9	1,343.62	9	1,702.02	9	2,060.42	9	2,418.82	9	2,776.80	9	3,134.70	9	3,487.66
1/4	276.42	1/4	634.81	1/4	992.95	1/4	1,351.09	1/4	1,709.49	1/4	2,067.89	1/4	2,426.28	1/4	2,784.25	1/4	3,142.15	1/4	3,493.89
1/2	283.89	1/2	642.28	1/2	1,000.41	1/2	1,358.56	1/2	1,716.95	1/2	2,075.35	1/2	2,433.75	1/2	2,791.71	1/2	3,149.61	1/2	3,500.12
3/4	291.36	3/4	649.74	3/4	1,007.86	3/4	1,366.02	3/4	1,724.42	3/4	2,082.82	3/4	2,441.22	3/4	2,799.16	3/4	3,157.07	3/4	3,506.34
10	298.82	10	657.21	10	1,015.31	10	1,373.49	10	1,731.89	10	2,090.28	10	2,448.68	10	2,806.62	10	3,164.52	10	3,512.57
1/4	306.29	1/4	664.68	1/4	1,022.76	1/4	1,380.96	1/4	1,739.35	1/4	2,097.75	1/4	2,456.14	1/4	2,814.08	1/4	3,171.98	1/4	3,518.32
1/2	313.76	1/2	672.14	1/2	1,030.22	1/2	1,388.42	1/2	1,746.82	1/2	2,105.22	1/2	2,463.60	1/2	2,821.53	1/2	3,179.44	1/2	3,524.06
3/4	321.22	3/4	679.61	3/4	1,037.67	3/4	1,395.89	3/4	1,754.29	3/4	2,112.68	3/4	2,471.05	3/4	2,828.99	3/4	3,186.89	3/4	3,529.81
11	328.69	11	687.08	11	1,045.12	11	1,403.36	11	1,761.75	11	2,120.15	11	2,478.51	11	2,836.45	11	3,194.35	11	3,535.56
1/4	336.15	1/4	694.54	1/4	1,052.57	1/4	1,410.82	1/4	1,769.22	1/4	2,127.62	1/4	2,485.97	1/4	2,843.90	1/4	3,201.80	1/4	3,540.83
1/2	343.62	1/2	702.01	1/2	1,060.02	1/2	1,418.29	1/2	1,776.69	1/2	2,135.08	1/2	2,493.43	1/2	2,851.36	1/2	3,209.26	1/2	3,546.09
3/4	351.09	3/4	709.47	3/4	1,067.48	3/4	1,425.76	3/4	1,784.15	3/4	2,142.55	3/4	2,500.88	3/4	2,858.81	3/4	3,216.72	3/4	3,551.36

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-00" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29145"

3 STBD INNAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,556.63	0	3,777.61	0	3,997.24	0	4,216.66	0	4,434.97	0		0		0		0		0	
1/4	3,561.45	1/4	3,782.20	1/4	4,001.81	1/4	4,221.23	1/4	4,439.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,566.27	1/2	3,786.78	1/2	4,006.38	1/2	4,225.80	1/2	4,443.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,571.10	3/4	3,791.37	3/4	4,010.95	3/4	4,230.37	3/4	4,448.42	3/4		3/4		3/4		3/4		3/4	
1	3,575.92	1	3,795.95	1	4,015.52	1	4,234.95	1	4,452.90	1		1		1		1		1	
1/4	3,580.51	1/4	3,800.53	1/4	4,020.09	1/4	4,239.52	1/4	4,456.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,585.09	1/2	3,805.12	1/2	4,024.67	1/2	4,244.09	1/2	4,460.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,589.67	3/4	3,809.70	3/4	4,029.24	3/4	4,248.66	3/4	4,464.77	3/4		3/4		3/4		3/4		3/4	
2	3,594.26	2	3,814.28	2	4,033.81	2	4,253.23	2	4,468.72	2		2		2		2		2	
1/4	3,598.84	1/4	3,818.87	1/4	4,038.38	1/4	4,257.80	1/4	4,471.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.43	1/2	3,823.45	1/2	4,042.95	1/2	4,262.37	1/2	4,475.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,608.01	3/4	3,828.04	3/4	4,047.52	3/4	4,266.94	3/4	4,478.29	3/4		3/4		3/4		3/4		3/4	
3	3,612.59	3	3,832.62	3	4,052.09	3	4,271.52	3	4,481.48	3		3		3		3		3	
1/4	3,617.18	1/4	3,837.20	1/4	4,056.66	1/4	4,276.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,621.76	1/2	3,841.79	1/2	4,061.24	1/2	4,280.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,626.35	3/4	3,846.37	3/4	4,065.81	3/4	4,285.23	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,630.93	4	3,850.96	4	4,070.38	4	4,289.80	4		4		4		4		4		4	
1/4	3,635.51	1/4	3,855.53	1/4	4,074.95	1/4	4,294.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,640.10	1/2	3,860.10	1/2	4,079.52	1/2	4,298.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,644.68	3/4	3,864.67	3/4	4,084.09	3/4	4,303.51	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,649.26	5	3,869.24	5	4,088.66	5	4,308.09	5		5		5		5		5		5	
1/4	3,653.85	1/4	3,873.81	1/4	4,093.24	1/4	4,312.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,658.43	1/2	3,878.38	1/2	4,097.81	1/2	4,317.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,663.02	3/4	3,882.96	3/4	4,102.38	3/4	4,321.80	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,667.60	6	3,887.53	6	4,106.95	6	4,326.37	6		6		6		6		6		6	
1/4	3,672.18	1/4	3,892.10	1/4	4,111.52	1/4	4,330.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,676.77	1/2	3,896.67	1/2	4,116.09	1/2	4,335.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,681.35	3/4	3,901.24	3/4	4,120.66	3/4	4,339.95	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,685.94	7	3,905.81	7	4,125.23	7	4,344.48	7		7		7		7		7		7	
1/4	3,690.52	1/4	3,910.38	1/4	4,129.81	1/4	4,349.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,695.10	1/2	3,914.95	1/2	4,134.38	1/2	4,353.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,699.69	3/4	3,919.53	3/4	4,138.95	3/4	4,358.05	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,704.27	8	3,924.10	8	4,143.52	8	4,362.58	8		8		8		8		8		8	
1/4	3,708.86	1/4	3,928.67	1/4	4,148.09	1/4	4,367.11	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.44	1/2	3,933.24	1/2	4,152.66	1/2	4,371.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,718.02	3/4	3,937.81	3/4	4,157.23	3/4	4,376.16	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,722.61	9	3,942.38	9	4,161.80	9	4,380.68	9		9		9		9		9		9	
1/4	3,727.19	1/4	3,946.95	1/4	4,166.38	1/4	4,385.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,731.77	1/2	3,951.52	1/2	4,170.95	1/2	4,389.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.36	3/4	3,956.10	3/4	4,175.52	3/4	4,394.27	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,740.94	10	3,960.67	10	4,180.09	10	4,398.79	10		10		10		10		10		10	
1/4	3,745.53	1/4	3,965.24	1/4	4,184.66	1/4	4,403.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,750.11	1/2	3,969.81	1/2	4,189.23	1/2	4,407.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,754.69	3/4	3,974.38	3/4	4,193.80	3/4	4,412.37	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,759.28	11	3,978.95	11	4,198.37	11	4,416.90	11		11		11		11		11		11	
1/4	3,763.86	1/4	3,983.52	1/4	4,202.95	1/4	4,421.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,768.45	1/2	3,988.10	1/2	4,207.52	1/2	4,425.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,773.03	3/4	3,992.67	3/4	4,212.09	3/4	4,430.45	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29145"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 4'-05 3/4"

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

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

STRAPPED: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29145"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 5'- 02"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
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STRAPPED: 08/12/2019 CL
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CANCELS AND SUPERCEDES
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BARGE "CTC 29145"

ULLAGE (HERMETIC)
FORMERLY "E2MS 315"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

June 15, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "CTC 29145"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,882.90	0	4,526.56	0	4,169.12	0	3,811.13	0	3,452.65	0	3,094.17	0	2,735.68	0	2,377.14
1/4		1/4		1/4	4,875.53	1/4	4,519.11	1/4	4,161.67	1/4	3,803.67	1/4	3,445.18	1/4	3,086.70	1/4	2,728.22	1/4	2,369.67
1/2		1/2		1/2	4,868.15	1/2	4,511.67	1/2	4,154.22	1/2	3,796.20	1/2	3,437.71	1/2	3,079.23	1/2	2,720.75	1/2	2,362.20
3/4		3/4		3/4	4,860.78	3/4	4,504.22	3/4	4,146.78	3/4	3,788.73	3/4	3,430.25	3/4	3,071.76	3/4	2,713.28	3/4	2,354.73
1		1		1	4,853.41	1	4,496.77	1	4,139.33	1	3,781.26	1	3,422.78	1	3,064.29	1	2,705.81	1	2,347.26
1/4		1/4		1/4	4,846.03	1/4	4,489.33	1/4	4,131.88	1/4	3,773.79	1/4	3,415.31	1/4	3,056.83	1/4	2,698.34	1/4	2,339.79
1/2		1/2		1/2	4,838.66	1/2	4,481.88	1/2	4,124.44	1/2	3,766.32	1/2	3,407.84	1/2	3,049.36	1/2	2,690.87	1/2	2,332.32
3/4		3/4		3/4	4,831.29	3/4	4,474.43	3/4	4,116.99	3/4	3,758.86	3/4	3,400.37	3/4	3,041.89	3/4	2,683.41	3/4	2,324.85
2		2		2	4,823.91	2	4,466.99	2	4,109.54	2	3,751.39	2	3,392.90	2	3,034.42	2	2,675.94	2	2,317.38
1/4		1/4		1/4	4,816.54	1/4	4,459.54	1/4	4,102.10	1/4	3,743.92	1/4	3,385.44	1/4	3,026.95	1/4	2,668.47	1/4	2,309.91
1/2		1/2		1/2	4,809.17	1/2	4,452.09	1/2	4,094.65	1/2	3,736.45	1/2	3,377.97	1/2	3,019.48	1/2	2,661.00	1/2	2,302.44
3/4		3/4		3/4	4,801.79	3/4	4,444.65	3/4	4,087.20	3/4	3,728.98	3/4	3,370.50	3/4	3,012.02	3/4	2,653.53	3/4	2,294.96
3		3		3	4,794.42	3	4,437.20	3	4,079.76	3	3,721.51	3	3,363.03	3	3,004.55	3	2,646.06	3	2,287.49
1/4		1/4		1/4	4,787.05	1/4	4,429.75	1/4	4,072.31	1/4	3,714.04	1/4	3,355.56	1/4	2,997.08	1/4	2,638.60	1/4	2,280.02
1/2		1/2		1/2	4,779.67	1/2	4,422.31	1/2	4,064.86	1/2	3,706.58	1/2	3,348.09	1/2	2,989.61	1/2	2,631.13	1/2	2,272.55
3/4		3/4		3/4	4,772.30	3/4	4,414.86	3/4	4,057.42	3/4	3,699.11	3/4	3,340.62	3/4	2,982.14	3/4	2,623.66	3/4	2,265.08
4		4		4	4,764.85	4	4,407.41	4	4,049.97	4	3,691.64	4	3,333.16	4	2,974.67	4	2,616.19	4	2,257.61
1/4		1/4		1/4	4,757.41	1/4	4,399.97	1/4	4,042.52	1/4	3,684.17	1/4	3,325.69	1/4	2,967.20	1/4	2,608.72	1/4	2,250.14
1/2		1/2		1/2	4,749.96	1/2	4,392.52	1/2	4,035.08	1/2	3,676.70	1/2	3,318.22	1/2	2,959.74	1/2	2,601.25	1/2	2,242.67
3/4		3/4		3/4	4,742.51	3/4	4,385.07	3/4	4,027.63	3/4	3,669.23	3/4	3,310.75	3/4	2,952.27	3/4	2,593.78	3/4	2,235.20
5		5		5	4,735.07	5	4,377.63	5	4,020.18	5	3,661.77	5	3,303.28	5	2,944.80	5	2,586.31	5	2,227.73
1/4		1/4		1/4	4,727.62	1/4	4,370.18	1/4	4,012.74	1/4	3,654.30	1/4	3,295.81	1/4	2,937.33	1/4	2,578.84	1/4	2,220.26
1/2		1/2		1/2	4,720.17	1/2	4,362.73	1/2	4,005.29	1/2	3,646.83	1/2	3,288.35	1/2	2,929.86	1/2	2,571.37	1/2	2,212.79
3/4		3/4		3/4	4,712.73	3/4	4,355.29	3/4	3,997.84	3/4	3,639.36	3/4	3,280.88	3/4	2,922.39	3/4	2,563.90	3/4	2,205.32
6		6		6	4,705.28	6	4,347.84	6	3,990.38	6	3,631.89	6	3,273.41	6	2,914.93	6	2,556.43	6	2,197.85
1/4		1/4		1/4	4,697.83	1/4	4,340.39	1/4	3,982.91	1/4	3,624.42	1/4	3,265.94	1/4	2,907.46	1/4	2,548.96	1/4	2,190.38
1/2		1/2		1/2	4,690.39	1/2	4,332.95	1/2	3,975.44	1/2	3,616.96	1/2	3,258.47	1/2	2,899.99	1/2	2,541.49	1/2	2,182.91
3/4		3/4		3/4	5,024.97	3/4	4,682.94	3/4	4,325.50	3/4	3,967.97	3/4	3,609.49	3/4	3,251.00	3/4	2,892.52	3/4	2,534.02
7		7		7	5,019.77	7	4,675.49	7	4,318.05	7	3,960.50	7	3,602.02	7	3,243.54	7	2,885.05	7	2,526.55
1/4		1/4		1/4	5,014.58	1/4	4,668.05	1/4	4,310.61	1/4	3,953.03	1/4	3,594.55	1/4	3,236.07	1/4	2,877.58	1/4	2,519.08
1/2		1/2		1/2	5,009.38	1/2	4,660.60	1/2	4,303.16	1/2	3,945.57	1/2	3,587.08	1/2	3,228.60	1/2	2,870.12	1/2	2,511.61
3/4		3/4		3/4	5,004.19	3/4	4,653.15	3/4	4,295.71	3/4	3,938.10	3/4	3,579.61	3/4	3,221.13	3/4	2,862.65	3/4	2,504.14
8		8		8	4,997.75	8	4,645.71	8	4,288.27	8	3,930.63	8	3,572.15	8	3,213.66	8	2,855.18	8	2,496.67
1/4		1/4		1/4	4,991.30	1/4	4,638.26	1/4	4,280.82	1/4	3,923.16	1/4	3,564.68	1/4	3,206.19	1/4	2,847.71	1/4	2,489.20
1/2		1/2		1/2	4,984.86	1/2	4,630.81	1/2	4,273.37	1/2	3,915.69	1/2	3,557.21	1/2	3,198.73	1/2	2,840.24	1/2	2,481.73
3/4		3/4		3/4	4,978.42	3/4	4,623.37	3/4	4,265.93	3/4	3,908.22	3/4	3,549.74	3/4	3,191.26	3/4	2,832.77	3/4	2,474.26
9		9		9	4,971.12	9	4,615.92	9	4,258.48	9	3,900.75	9	3,542.27	9	3,183.79	9	2,825.31	9	2,466.79
1/4		1/4		1/4	4,965.81	1/4	4,608.47	1/4	4,251.03	1/4	3,893.29	1/4	3,534.80	1/4	3,176.32	1/4	2,817.84	1/4	2,459.32
1/2		1/2		1/2	4,956.51	1/2	4,601.03	1/2	4,243.59	1/2	3,885.82	1/2	3,527.33	1/2	3,168.85	1/2	2,810.37	1/2	2,451.85
3/4		3/4		3/4	4,949.21	3/4	4,593.58	3/4	4,236.14	3/4	3,878.35	3/4	3,519.87	3/4	3,161.38	3/4	2,802.90	3/4	2,444.37
10		10		10	4,941.84	10	4,586.13	10	4,228.69	10	3,870.88	10	3,512.40	10	3,153.91	10	2,795.43	10	2,436.90
1/4		1/4		1/4	4,934.48	1/4	4,578.69	1/4	4,221.24	1/4	3,863.41	1/4	3,504.93	1/4	3,146.45	1/4	2,787.96	1/4	2,429.43
1/2		1/2		1/2	4,927.12	1/2	4,571.24	1/2	4,213.80	1/2	3,855.94	1/2	3,497.46	1/2	3,138.98	1/2	2,780.49	1/2	2,421.96
3/4		3/4		3/4	4,919.76	3/4	4,563.79	3/4	4,206.35	3/4	3,848.48	3/4	3,489.99	3/4	3,131.51	3/4	2,773.03	3/4	2,414.49
11		11		11	4,912.39	11	4,556.35	11	4,198.90	11	3,841.01	11	3,482.52	11	3,124.04	11	2,765.56	11	2,407.02
1/4		1/4		1/4	4,905.02	1/4	4,548.90	1/4	4,191.46	1/4	3,833.54	1/4	3,475.06	1/4	3,116.57	1/4	2,758.09	1/4	2,399.55
1/2		1/2		1/2	4,897.65	1/2	4,541.45	1/2	4,184.01	1/2	3,826.07	1/2	3,467.59	1/2	3,109.10	1/2	2,750.62	1/2	2,392.08
3/4		3/4		3/4	4,890.28	3/4	4,534.01	3/4	4,176.56	3/4	3,818.60	3/4	3,460.12	3/4	3,101.64	3/4	2,743.15	3/4	2,384.61

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 13'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29145"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,018.56	0	1,659.97	0	1,301.39	0	944.02	0	586.77	0	243.26	0		0		0		0	
1/4	2,011.09	1/4	1,652.50	1/4	1,293.92	1/4	936.61	1/4	579.31	1/4	236.63	1/4		1/4		1/4		1/4	
1/2	2,003.62	1/2	1,645.03	1/2	1,286.45	1/2	929.20	1/2	571.84	1/2	229.99	1/2		1/2		1/2		1/2	
3/4	1,996.14	3/4	1,637.56	3/4	1,278.98	3/4	921.79	3/4	564.38	3/4	223.35	3/4		3/4		3/4		3/4	
1	1,988.67	1	1,630.09	1	1,271.51	1	914.38	1	556.91	1	216.80	1		1		1		1	
1/4	1,981.20	1/4	1,622.62	1/4	1,264.04	1/4	906.97	1/4	549.45	1/4	210.25	1/4		1/4		1/4		1/4	
1/2	1,973.73	1/2	1,615.15	1/2	1,256.57	1/2	899.56	1/2	541.98	1/2	203.70	1/2		1/2		1/2		1/2	
3/4	1,966.26	3/4	1,607.68	3/4	1,249.09	3/4	892.14	3/4	534.52	3/4	197.15	3/4		3/4		3/4		3/4	
2	1,958.79	2	1,600.21	2	1,241.62	2	884.73	2	527.05	2	190.69	2		2		2		2	
1/4	1,951.32	1/4	1,592.74	1/4	1,234.15	1/4	877.32	1/4	519.58	1/4	184.23	1/4		1/4		1/4		1/4	
1/2	1,943.85	1/2	1,585.27	1/2	1,226.68	1/2	869.91	1/2	512.11	1/2	177.76	1/2		1/2		1/2		1/2	
3/4	1,936.38	3/4	1,577.80	3/4	1,219.21	3/4	862.50	3/4	504.64	3/4	171.30	3/4		3/4		3/4		3/4	
3	1,928.91	3	1,570.33	3	1,211.74	3	855.09	3	497.21	3	164.93	3		3		3		3	
1/4	1,921.44	1/4	1,562.86	1/4	1,204.27	1/4	847.67	1/4	489.78	1/4	158.55	1/4		1/4		1/4		1/4	
1/2	1,913.97	1/2	1,555.39	1/2	1,196.80	1/2	840.26	1/2	482.36	1/2	152.18	1/2		1/2		1/2		1/2	
3/4	1,906.50	3/4	1,547.91	3/4	1,189.33	3/4	832.85	3/4	474.93	3/4	145.80	3/4		3/4		3/4		3/4	
4	1,899.03	4	1,540.44	4	1,181.86	4	825.44	4	467.59	4	139.51	4		4		4		4	
1/4	1,891.56	1/4	1,532.97	1/4	1,174.39	1/4	818.03	1/4	460.25	1/4	133.23	1/4		1/4		1/4		1/4	
1/2	1,884.09	1/2	1,525.50	1/2	1,166.92	1/2	810.62	1/2	452.91	1/2	126.94	1/2		1/2		1/2		1/2	
3/4	1,876.62	3/4	1,518.03	3/4	1,159.45	3/4	803.21	3/4	445.58	3/4	120.65	3/4		3/4		3/4		3/4	
5	1,869.15	5	1,510.56	5	1,151.98	5	795.79	5	438.32	5	114.45	5		5		5		5	
1/4	1,861.68	1/4	1,503.09	1/4	1,144.51	1/4	788.37	1/4	431.07	1/4	108.26	1/4		1/4		1/4		1/4	
1/2	1,854.21	1/2	1,495.62	1/2	1,137.04	1/2	780.95	1/2	423.82	1/2	102.06	1/2		1/2		1/2		1/2	
3/4	1,846.73	3/4	1,488.15	3/4	1,129.57	3/4	773.53	3/4	416.57	3/4	95.86	3/4		3/4		3/4		3/4	
6	1,839.26	6	1,480.68	6	1,122.13	6	766.05	6	409.41	6	89.76	6		6		6		6	
1/4	1,831.79	1/4	1,473.21	1/4	1,114.69	1/4	758.58	1/4	402.24	1/4	83.66	1/4		1/4		1/4		1/4	
1/2	1,824.32	1/2	1,465.74	1/2	1,107.25	1/2	751.11	1/2	395.08	1/2	77.56	1/2		1/2		1/2		1/2	
3/4	1,816.85	3/4	1,458.27	3/4	1,099.81	3/4	743.64	3/4	387.91	3/4	71.46	3/4		3/4		3/4		3/4	
7	1,809.38	7	1,450.80	7	1,092.37	7	736.17	7	380.84	7	65.47	7		7		7		7	
1/4	1,801.91	1/4	1,443.33	1/4	1,084.93	1/4	728.70	1/4	373.76	1/4	59.48	1/4		1/4		1/4		1/4	
1/2	1,794.44	1/2	1,435.86	1/2	1,077.49	1/2	721.23	1/2	366.69	1/2	53.49	1/2		1/2		1/2		1/2	
3/4	1,786.97	3/4	1,428.39	3/4	1,070.05	3/4	713.76	3/4	359.61	3/4	47.50	3/4		3/4		3/4		3/4	
8	1,779.50	8	1,420.92	8	1,062.63	8	706.29	8	352.62	8	42.50	8		8		8		8	
1/4	1,772.03	1/4	1,413.45	1/4	1,055.21	1/4	698.82	1/4	345.63	1/4	37.50	1/4		1/4		1/4		1/4	
1/2	1,764.56	1/2	1,405.98	1/2	1,047.79	1/2	691.35	1/2	338.65	1/2	32.50	1/2		1/2		1/2		1/2	
3/4	1,757.09	3/4	1,398.50	3/4	1,040.37	3/4	683.88	3/4	331.66	3/4	27.50	3/4		3/4		3/4		3/4	
9	1,749.62	9	1,391.03	9	1,032.96	9	676.41	9	324.76	9	24.45	9		9		9		9	
1/4	1,742.15	1/4	1,383.56	1/4	1,025.55	1/4	668.94	1/4	317.86	1/4	21.40	1/4		1/4		1/4		1/4	
1/2	1,734.68	1/2	1,376.09	1/2	1,018.14	1/2	661.47	1/2	310.96	1/2	18.36	1/2		1/2		1/2		1/2	
3/4	1,727.21	3/4	1,368.62	3/4	1,010.73	3/4	654.00	3/4	304.05	3/4	15.31	3/4		3/4		3/4		3/4	
10	1,719.74	10	1,361.15	10	1,003.32	10	646.53	10	297.24	10	=====	10		10		10		10	
1/4	1,712.27	1/4	1,353.68	1/4	995.90	1/4	639.06	1/4	290.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,704.80	1/2	1,346.21	1/2	988.49	1/2	631.59	1/2	283.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,697.32	3/4	1,338.74	3/4	981.08	3/4	624.12	3/4	276.80	3/4		3/4		3/4		3/4		3/4	
11	1,689.85	11	1,331.27	11	973.67	11	616.65	11	270.08	11		11		11		11		11	
1/4	1,682.38	1/4	1,323.80	1/4	966.26	1/4	609.18	1/4	263.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,674.91	1/2	1,316.33	1/2	958.85	1/2	601.71	1/2	256.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,667.44	3/4	1,308.86	3/4	951.44	3/4	594.24	3/4	249.90	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29145"

1 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,883.71	0	4,527.47	0	4,170.13	0	3,812.25	0	3,453.85	0	3,095.45	0	2,737.06	0	2,378.60
1/4		1/4		1/4	4,876.34	1/4	4,520.03	1/4	4,162.69	1/4	3,804.78	1/4	3,446.38	1/4	3,087.99	1/4	2,729.59	1/4	2,371.13
1/2		1/2		1/2	4,868.97	1/2	4,512.58	1/2	4,155.24	1/2	3,797.31	1/2	3,438.92	1/2	3,080.52	1/2	2,722.12	1/2	2,363.66
3/4		3/4		3/4	4,861.60	3/4	4,505.14	3/4	4,147.80	3/4	3,789.85	3/4	3,431.45	3/4	3,073.05	3/4	2,714.66	3/4	2,356.19
1		1		1	4,854.22	1	4,497.69	1	4,140.36	1	3,782.38	1	3,423.98	1	3,065.59	1	2,707.19	1	2,348.73
1/4		1/4		1/4	4,846.85	1/4	4,490.25	1/4	4,132.91	1/4	3,774.91	1/4	3,416.52	1/4	3,058.12	1/4	2,699.72	1/4	2,341.26
1/2		1/2		1/2	4,839.48	1/2	4,482.80	1/2	4,125.47	1/2	3,767.45	1/2	3,409.05	1/2	3,050.65	1/2	2,692.26	1/2	2,333.79
3/4		3/4		3/4	4,832.11	3/4	4,475.36	3/4	4,118.02	3/4	3,759.98	3/4	3,401.58	3/4	3,043.19	3/4	2,684.79	3/4	2,326.32
2		2		2	4,824.74	2	4,467.91	2	4,110.58	2	3,752.51	2	3,394.12	2	3,035.72	2	2,677.32	2	2,318.85
1/4		1/4		1/4	4,817.37	1/4	4,460.47	1/4	4,103.13	1/4	3,745.05	1/4	3,386.65	1/4	3,028.25	1/4	2,669.86	1/4	2,311.38
1/2		1/2		1/2	4,810.00	1/2	4,453.02	1/2	4,095.69	1/2	3,737.58	1/2	3,379.18	1/2	3,020.79	1/2	2,662.39	1/2	2,303.91
3/4		3/4		3/4	4,802.62	3/4	4,445.58	3/4	4,088.24	3/4	3,730.11	3/4	3,371.72	3/4	3,013.32	3/4	2,654.92	3/4	2,296.45
3		3		3	4,795.25	3	4,438.14	3	4,080.80	3	3,722.65	3	3,364.25	3	3,005.85	3	2,647.46	3	2,288.98
1/4		1/4		1/4	4,787.88	1/4	4,430.69	1/4	4,073.36	1/4	3,715.18	1/4	3,356.78	1/4	2,998.39	1/4	2,639.99	1/4	2,281.51
1/2		1/2		1/2	4,780.51	1/2	4,423.25	1/2	4,065.91	1/2	3,707.71	1/2	3,349.32	1/2	2,990.92	1/2	2,632.52	1/2	2,274.04
3/4		3/4		3/4	4,773.14	3/4	4,415.80	3/4	4,058.47	3/4	3,700.25	3/4	3,341.85	3/4	2,983.45	3/4	2,625.06	3/4	2,266.57
4		4		4	4,765.69	4	4,408.36	4	4,051.02	4	3,692.78	4	3,334.38	4	2,975.99	4	2,617.59	4	2,259.10
1/4		1/4		1/4	4,758.25	1/4	4,400.91	1/4	4,043.58	1/4	3,685.31	1/4	3,326.92	1/4	2,968.52	1/4	2,610.12	1/4	2,251.63
1/2		1/2		1/2	4,750.80	1/2	4,393.47	1/2	4,036.13	1/2	3,677.85	1/2	3,319.45	1/2	2,961.05	1/2	2,602.66	1/2	2,244.17
3/4		3/4		3/4	4,743.36	3/4	4,386.02	3/4	4,028.69	3/4	3,670.38	3/4	3,311.98	3/4	2,953.59	3/4	2,595.19	3/4	2,236.70
5		5		5	4,735.92	5	4,378.58	5	4,021.24	5	3,662.91	5	3,304.52	5	2,946.12	5	2,587.72	5	2,229.23
1/4		1/4		1/4	4,728.47	1/4	4,371.14	1/4	4,013.80	1/4	3,655.45	1/4	3,297.05	1/4	2,938.65	1/4	2,580.25	1/4	2,221.76
1/2		1/2		1/2	4,721.03	1/2	4,363.69	1/2	4,006.35	1/2	3,647.98	1/2	3,289.58	1/2	2,931.19	1/2	2,572.78	1/2	2,214.29
3/4		3/4		3/4	4,713.58	3/4	4,356.25	3/4	3,998.91	3/4	3,640.51	3/4	3,282.12	3/4	2,923.72	3/4	2,565.32	3/4	2,206.82
6		6		6	4,706.14	6	4,348.80	6	3,991.44	6	3,633.05	6	3,274.65	6	2,916.25	6	2,557.85	6	2,199.35
1/4		1/4		1/4	4,698.69	1/4	4,341.36	1/4	3,983.98	1/4	3,625.58	1/4	3,267.18	1/4	2,908.79	1/4	2,550.38	1/4	2,191.89
1/2		1/2		1/2	4,691.25	1/2	4,333.91	1/2	3,976.51	1/2	3,618.11	1/2	3,259.72	1/2	2,901.32	1/2	2,542.91	1/2	2,184.42
3/4		3/4		3/4	5,025.74	3/4	4,683.80	3/4	4,326.47	3/4	3,969.04	3/4	3,610.65	3/4	3,252.25	3/4	2,893.85	3/4	2,535.44
7		7		7	5,020.55	7	4,676.36	7	4,319.02	7	3,961.58	7	3,603.18	7	3,244.78	7	2,886.39	7	2,527.97
1/4		1/4		1/4	5,015.35	1/4	4,668.92	1/4	4,311.58	1/4	3,954.11	1/4	3,595.71	1/4	3,237.32	1/4	2,878.92	1/4	2,520.50
1/2		1/2		1/2	5,010.16	1/2	4,661.47	1/2	4,304.13	1/2	3,946.64	1/2	3,588.25	1/2	3,229.85	1/2	2,871.45	1/2	2,513.03
3/4		3/4		3/4	5,004.96	3/4	4,654.03	3/4	4,296.69	3/4	3,939.18	3/4	3,580.78	3/4	3,222.38	3/4	2,863.99	3/4	2,505.57
8		8		8	4,998.52	8	4,646.58	8	4,289.25	8	3,931.71	8	3,573.31	8	3,214.92	8	2,856.52	8	2,498.10
1/4		1/4		1/4	4,992.08	1/4	4,639.14	1/4	4,281.80	1/4	3,924.24	1/4	3,565.85	1/4	3,207.45	1/4	2,849.05	1/4	2,490.63
1/2		1/2		1/2	4,985.64	1/2	4,631.69	1/2	4,274.36	1/2	3,916.78	1/2	3,558.38	1/2	3,199.98	1/2	2,841.59	1/2	2,483.16
3/4		3/4		3/4	4,979.20	3/4	4,624.25	3/4	4,266.91	3/4	3,909.31	3/4	3,550.91	3/4	3,192.52	3/4	2,834.12	3/4	2,475.69
9		9		9	4,971.90	9	4,616.80	9	4,259.47	9	3,901.84	9	3,543.45	9	3,185.05	9	2,826.65	9	2,468.22
1/4		1/4		1/4	4,964.60	1/4	4,609.36	1/4	4,252.02	1/4	3,894.38	1/4	3,535.98	1/4	3,177.58	1/4	2,819.19	1/4	2,460.75
1/2		1/2		1/2	4,957.30	1/2	4,601.91	1/2	4,244.58	1/2	3,886.91	1/2	3,528.51	1/2	3,170.12	1/2	2,811.72	1/2	2,453.29
3/4		3/4		3/4	4,950.00	3/4	4,594.47	3/4	4,237.13	3/4	3,879.44	3/4	3,521.05	3/4	3,162.65	3/4	2,804.25	3/4	2,445.82
10		10		10	4,942.64	10	4,587.03	10	4,229.69	10	3,871.98	10	3,513.58	10	3,155.18	10	2,796.79	10	2,438.35
1/4		1/4		1/4	4,935.28	1/4	4,579.58	1/4	4,222.25	1/4	3,864.51	1/4	3,506.11	1/4	3,147.72	1/4	2,789.32	1/4	2,430.88
1/2		1/2		1/2	4,927.92	1/2	4,572.14	1/2	4,214.80	1/2	3,857.05	1/2	3,498.65	1/2	3,140.25	1/2	2,781.85	1/2	2,423.41
3/4		3/4		3/4	4,920.56	3/4	4,564.69	3/4	4,207.36	3/4	3,849.58	3/4	3,491.18	3/4	3,132.78	3/4	2,774.39	3/4	2,415.94
11		11		11	4,913.19	11	4,557.25	11	4,199.91	11	3,842.11	11	3,483.72	11	3,125.32	11	2,766.92	11	2,408.47
1/4		1/4		1/4	4,905.82	1/4	4,549.80	1/4	4,192.47	1/4	3,834.65	1/4	3,476.25	1/4	3,117.85	1/4	2,759.45	1/4	2,401.01
1/2		1/2		1/2	4,898.45	1/2	4,542.36	1/2	4,185.02	1/2	3,827.18	1/2	3,468.78	1/2	3,110.39	1/2	2,751.99	1/2	2,393.54
3/4		3/4		3/4	4,891.09	3/4	4,534.91	3/4	4,177.58	3/4	3,819.71	3/4	3,461.32	3/4	3,102.92	3/4	2,744.52	3/4	2,386.07

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 13'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29145"

1 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,020.11	0	1,661.61	0	1,303.12	0	944.86	0	586.64	0	243.18	0		0		0		0	
1/4	2,012.64	1/4	1,654.15	1/4	1,295.65	1/4	937.40	1/4	579.17	1/4	236.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,005.17	1/2	1,646.68	1/2	1,288.18	1/2	929.95	1/2	571.70	1/2	229.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,997.70	3/4	1,639.21	3/4	1,280.72	3/4	922.50	3/4	564.23	3/4	223.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,990.23	1	1,631.74	1	1,273.25	1	915.04	1	556.76	1	216.72	1	1	1	1	1	1	1	1
1/4	1,982.76	1/4	1,624.27	1/4	1,265.78	1/4	907.59	1/4	549.29	1/4	210.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,975.30	1/2	1,616.80	1/2	1,258.31	1/2	900.13	1/2	541.82	1/2	203.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,967.83	3/4	1,609.33	3/4	1,250.84	3/4	892.68	3/4	534.36	3/4	197.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,960.36	2	1,601.87	2	1,243.37	2	885.22	2	526.89	2	190.62	2	2	2	2	2	2	2	2
1/4	1,952.89	1/4	1,594.40	1/4	1,235.90	1/4	877.77	1/4	519.42	1/4	184.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,945.42	1/2	1,586.93	1/2	1,228.44	1/2	870.31	1/2	511.95	1/2	177.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,937.95	3/4	1,579.46	3/4	1,220.97	3/4	862.86	3/4	504.48	3/4	171.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,930.48	3	1,571.99	3	1,213.50	3	855.41	3	497.06	3	164.87	3	3	3	3	3	3	3	3
1/4	1,923.02	1/4	1,564.52	1/4	1,206.03	1/4	847.95	1/4	489.63	1/4	158.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,915.55	1/2	1,557.05	1/2	1,198.56	1/2	840.50	1/2	482.21	1/2	152.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,908.08	3/4	1,549.59	3/4	1,191.09	3/4	833.04	3/4	474.78	3/4	145.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,900.61	4	1,542.12	4	1,183.62	4	825.59	4	467.44	4	139.46	4	4	4	4	4	4	4	4
1/4	1,893.14	1/4	1,534.65	1/4	1,176.16	1/4	818.13	1/4	460.11	1/4	133.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,885.67	1/2	1,527.18	1/2	1,168.69	1/2	810.68	1/2	452.77	1/2	126.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,878.20	3/4	1,519.71	3/4	1,161.22	3/4	803.22	3/4	445.43	3/4	120.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,870.74	5	1,512.24	5	1,153.75	5	795.76	5	438.18	5	114.41	5	5	5	5	5	5	5	5
1/4	1,863.27	1/4	1,504.77	1/4	1,146.28	1/4	788.29	1/4	430.93	1/4	108.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,855.80	1/2	1,497.31	1/2	1,138.81	1/2	780.82	1/2	423.69	1/2	102.02	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,848.33	3/4	1,489.84	3/4	1,131.34	3/4	773.35	3/4	416.44	3/4	95.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,840.86	6	1,482.37	6	1,123.88	6	765.88	6	409.27	6	89.72	6	6	6	6	6	6	6	6
1/4	1,833.39	1/4	1,474.90	1/4	1,116.41	1/4	758.41	1/4	402.11	1/4	83.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,825.92	1/2	1,467.43	1/2	1,108.94	1/2	750.94	1/2	394.95	1/2	77.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,818.46	3/4	1,459.96	3/4	1,101.47	3/4	743.48	3/4	387.79	3/4	71.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,810.99	7	1,452.49	7	1,094.01	7	736.01	7	380.72	7	65.44	7	7	7	7	7	7	7	7
1/4	1,803.52	1/4	1,445.03	1/4	1,086.54	1/4	728.54	1/4	373.64	1/4	59.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,796.05	1/2	1,437.56	1/2	1,079.08	1/2	721.07	1/2	366.57	1/2	53.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,788.58	3/4	1,430.09	3/4	1,071.62	3/4	713.60	3/4	359.49	3/4	47.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,781.11	8	1,422.62	8	1,064.15	8	706.13	8	352.51	8	42.49	8	8	8	8	8	8	8	8
1/4	1,773.64	1/4	1,415.15	1/4	1,056.69	1/4	698.66	1/4	345.52	1/4	37.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,766.17	1/2	1,407.68	1/2	1,049.23	1/2	691.20	1/2	338.53	1/2	32.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,758.71	3/4	1,400.21	3/4	1,041.77	3/4	683.73	3/4	331.55	3/4	27.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,751.24	9	1,392.74	9	1,034.31	9	676.26	9	324.65	9	24.44	9	9	9	9	9	9	9	9
1/4	1,743.77	1/4	1,385.28	1/4	1,026.86	1/4	668.79	1/4	317.75	1/4	21.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,736.30	1/2	1,377.81	1/2	1,019.40	1/2	661.32	1/2	310.85	1/2	18.35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,728.83	3/4	1,370.34	3/4	1,011.95	3/4	653.85	3/4	303.95	3/4	15.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,721.36	10	1,362.87	10	1,004.49	10	646.38	10	297.14	10	=====	10	10	10	10	10	10	10	10
1/4	1,713.89	1/4	1,355.40	1/4	997.04	1/4	638.92	1/4	290.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,706.43	1/2	1,347.93	1/2	989.58	1/2	631.45	1/2	283.52	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,698.96	3/4	1,340.46	3/4	982.13	3/4	623.98	3/4	276.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,691.49	11	1,333.00	11	974.68	11	616.51	11	269.98	11		11	11	11	11	11	11	11	11
1/4	1,684.02	1/4	1,325.53	1/4	967.22	1/4	609.04	1/4	263.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,676.55	1/2	1,318.06	1/2	959.77	1/2	601.57	1/2	256.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,669.08	3/4	1,310.59	3/4	952.31	3/4	594.10	3/4	249.81	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: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29145"

2 PORT ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,936.38	0	4,578.53	0	4,219.83	0	3,860.53	0	3,500.77	0	3,141.02	0	2,781.26	0	2,421.51
1/4		1/4		1/4	4,928.98	1/4	4,571.06	1/4	4,212.35	1/4	3,853.03	1/4	3,493.28	1/4	3,133.52	1/4	2,773.77	1/4	2,414.01
1/2		1/2		1/2	4,921.57	1/2	4,563.59	1/2	4,204.88	1/2	3,845.54	1/2	3,485.78	1/2	3,126.03	1/2	2,766.27	1/2	2,406.52
3/4		3/4		3/4	4,914.16	3/4	4,556.11	3/4	4,197.41	3/4	3,838.04	3/4	3,478.29	3/4	3,118.53	3/4	2,758.78	3/4	2,399.02
1		1		1	4,906.76	1	4,548.64	1	4,189.93	1	3,830.55	1	3,470.79	1	3,111.04	1	2,751.28	1	2,391.53
1/4		1/4		1/4	4,899.35	1/4	4,541.17	1/4	4,182.46	1/4	3,823.05	1/4	3,463.30	1/4	3,103.54	1/4	2,743.79	1/4	2,384.03
1/2		1/2		1/2	4,891.94	1/2	4,533.70	1/2	4,174.99	1/2	3,815.56	1/2	3,455.80	1/2	3,096.05	1/2	2,736.29	1/2	2,376.54
3/4		3/4		3/4	4,884.53	3/4	4,526.22	3/4	4,167.51	3/4	3,808.06	3/4	3,448.31	3/4	3,088.55	3/4	2,728.80	3/4	2,369.04
2		2		2	4,877.13	2	4,518.75	2	4,160.04	2	3,800.57	2	3,440.81	2	3,081.06	2	2,721.30	2	2,361.55
1/4		1/4		1/4	4,869.72	1/4	4,511.28	1/4	4,152.57	1/4	3,793.07	1/4	3,433.32	1/4	3,073.56	1/4	2,713.81	1/4	2,354.05
1/2		1/2		1/2	4,862.31	1/2	4,503.80	1/2	4,145.09	1/2	3,785.58	1/2	3,425.82	1/2	3,066.07	1/2	2,706.31	1/2	2,346.56
3/4		3/4		3/4	4,854.91	3/4	4,496.33	3/4	4,137.62	3/4	3,778.08	3/4	3,418.33	3/4	3,058.57	3/4	2,698.82	3/4	2,339.06
3		3		3	4,847.50	3	4,488.86	3	4,130.15	3	3,770.59	3	3,410.83	3	3,051.08	3	2,691.32	3	2,331.57
1/4		1/4		1/4	4,840.09	1/4	4,481.38	1/4	4,122.67	1/4	3,763.09	1/4	3,403.34	1/4	3,043.58	1/4	2,683.83	1/4	2,324.07
1/2		1/2		1/2	4,832.62	1/2	4,473.91	1/2	4,115.20	1/2	3,755.60	1/2	3,395.84	1/2	3,036.09	1/2	2,676.33	1/2	2,316.58
3/4		3/4		3/4	4,825.15	3/4	4,466.44	3/4	4,107.73	3/4	3,748.10	3/4	3,388.35	3/4	3,028.59	3/4	2,668.84	3/4	2,309.08
4		4		4	4,817.67	4	4,458.96	4	4,100.26	4	3,740.61	4	3,380.85	4	3,021.10	4	2,661.34	4	2,301.59
1/4		1/4		1/4	4,810.20	1/4	4,451.49	1/4	4,092.78	1/4	3,733.11	1/4	3,373.36	1/4	3,013.60	1/4	2,653.85	1/4	2,294.09
1/2		1/2		1/2	4,802.73	1/2	4,444.02	1/2	4,085.31	1/2	3,725.62	1/2	3,365.86	1/2	3,006.11	1/2	2,646.35	1/2	2,286.60
3/4		3/4		3/4	4,795.25	3/4	4,436.54	3/4	4,077.84	3/4	3,718.12	3/4	3,358.37	3/4	2,998.61	3/4	2,638.86	3/4	2,279.10
5		5		5	4,787.78	5	4,429.07	5	4,070.36	5	3,710.63	5	3,350.87	5	2,991.12	5	2,631.36	5	2,271.61
1/4		1/4		1/4	4,780.31	1/4	4,421.60	1/4	4,062.89	1/4	3,703.13	1/4	3,343.38	1/4	2,983.62	1/4	2,623.87	1/4	2,264.11
1/2		1/2		1/2	4,772.83	1/2	4,414.13	1/2	4,055.40	1/2	3,695.64	1/2	3,335.88	1/2	2,976.13	1/2	2,616.37	1/2	2,256.62
3/4		3/4		3/4	4,765.36	3/4	4,406.65	3/4	4,047.90	3/4	3,688.14	3/4	3,328.39	3/4	2,968.63	3/4	2,608.88	3/4	2,249.12
6		6		6	4,757.89	6	4,399.18	6	4,040.41	6	3,680.65	6	3,320.89	6	2,961.14	6	2,601.38	6	2,241.63
1/4		1/4		1/4	5,093.89	1/4	4,750.42	1/4	4,391.71	1/4	4,032.91	1/4	3,673.16	1/4	3,313.40	1/4	2,953.64	1/4	2,593.89
1/2		1/2		1/2	5,088.67	1/2	4,742.94	1/2	4,384.23	1/2	4,025.42	1/2	3,665.66	1/2	3,305.91	1/2	2,946.15	1/2	2,586.39
3/4		3/4		3/4	5,083.45	3/4	4,735.47	3/4	4,376.76	3/4	4,017.92	3/4	3,658.17	3/4	3,298.41	3/4	2,938.65	3/4	2,578.90
7		7		7	5,078.23	7	4,728.00	7	4,369.29	7	4,010.43	7	3,650.67	7	3,290.92	7	2,931.16	7	2,571.40
1/4		1/4		1/4	5,073.01	1/4	4,720.52	1/4	4,361.81	1/4	4,002.93	1/4	3,643.18	1/4	3,283.42	1/4	2,923.67	1/4	2,563.91
1/2		1/2		1/2	5,066.54	1/2	4,713.05	1/2	4,354.34	1/2	3,995.44	1/2	3,635.68	1/2	3,275.93	1/2	2,916.17	1/2	2,556.42
3/4		3/4		3/4	5,060.07	3/4	4,705.58	3/4	4,346.87	3/4	3,987.94	3/4	3,628.19	3/4	3,268.43	3/4	2,908.68	3/4	2,548.92
8		8		8	5,053.60	8	4,698.10	8	4,339.39	8	3,980.45	8	3,620.69	8	3,260.94	8	2,901.18	8	2,541.43
1/4		1/4		1/4	5,047.13	1/4	4,690.63	1/4	4,331.92	1/4	3,972.95	1/4	3,613.20	1/4	3,253.44	1/4	2,893.69	1/4	2,533.93
1/2		1/2		1/2	5,039.79	1/2	4,683.16	1/2	4,324.45	1/2	3,965.46	1/2	3,605.70	1/2	3,245.95	1/2	2,886.19	1/2	2,526.44
3/4		3/4		3/4	5,032.46	3/4	4,675.68	3/4	4,316.98	3/4	3,957.96	3/4	3,598.21	3/4	3,238.45	3/4	2,878.70	3/4	2,518.94
9		9		9	5,025.12	9	4,668.21	9	4,309.50	9	3,950.47	9	3,590.71	9	3,230.96	9	2,871.20	9	2,511.45
1/4		1/4		1/4	5,017.78	1/4	4,660.74	1/4	4,302.03	1/4	3,942.97	1/4	3,583.22	1/4	3,223.46	1/4	2,863.71	1/4	2,503.95
1/2		1/2		1/2	5,010.39	1/2	4,653.26	1/2	4,294.56	1/2	3,935.48	1/2	3,575.72	1/2	3,215.97	1/2	2,856.21	1/2	2,496.46
3/4		3/4		3/4	5,003.00	3/4	4,645.79	3/4	4,287.08	3/4	3,927.98	3/4	3,568.23	3/4	3,208.47	3/4	2,848.72	3/4	2,488.96
10		10		10	4,995.61	10	4,638.32	10	4,279.61	10	3,920.49	10	3,560.73	10	3,200.98	10	2,841.22	10	2,481.47
1/4		1/4		1/4	4,988.22	1/4	4,630.85	1/4	4,272.14	1/4	3,912.99	1/4	3,553.24	1/4	3,193.48	1/4	2,833.73	1/4	2,473.97
1/2		1/2		1/2	4,980.81	1/2	4,623.37	1/2	4,264.66	1/2	3,905.50	1/2	3,545.74	1/2	3,185.99	1/2	2,826.23	1/2	2,466.48
3/4		3/4		3/4	4,973.41	3/4	4,615.90	3/4	4,257.19	3/4	3,898.00	3/4	3,538.25	3/4	3,178.49	3/4	2,818.74	3/4	2,458.98
11		11		11	4,966.01	11	4,608.43	11	4,249.72	11	3,890.51	11	3,530.75	11	3,171.00	11	2,811.24	11	2,451.49
1/4		1/4		1/4	4,958.60	1/4	4,600.95	1/4	4,242.24	1/4	3,883.01	1/4	3,523.26	1/4	3,163.50	1/4	2,803.75	1/4	2,443.99
1/2		1/2		1/2	4,951.20	1/2	4,593.48	1/2	4,234.77	1/2	3,875.52	1/2	3,515.76	1/2	3,156.01	1/2	2,796.25	1/2	2,436.50
3/4		3/4		3/4	4,943.79	3/4	4,586.01	3/4	4,227.30	3/4	3,868.02	3/4	3,508.27	3/4	3,148.51	3/4	2,788.76	3/4	2,429.00

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 13'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29145"

2 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,061.75	0	1,702.00	0	1,342.24	0	990.63	0	637.23	0	277.47	0		0		0		0	
1/4	2,054.26	1/4	1,694.50	1/4	1,334.75	1/4	983.44	1/4	629.73	1/4	269.98	1/4		1/4		1/4		1/4	
1/2	2,046.76	1/2	1,687.01	1/2	1,327.25	1/2	976.25	1/2	622.24	1/2	262.48	1/2		1/2		1/2		1/2	
3/4	2,039.27	3/4	1,679.51	3/4	1,319.76	3/4	969.06	3/4	614.74	3/4	254.99	3/4		3/4		3/4		3/4	
1	2,031.77	1	1,672.02	1	1,312.26	1	961.88	1	607.25	1	247.49	1		1		1		1	
1/4	2,024.28	1/4	1,664.52	1/4	1,304.77	1/4	954.69	1/4	599.76	1/4	240.00	1/4		1/4		1/4		1/4	
1/2	2,016.78	1/2	1,657.03	1/2	1,297.27	1/2	947.50	1/2	592.26	1/2	232.51	1/2		1/2		1/2		1/2	
3/4	2,009.29	3/4	1,649.53	3/4	1,289.78	3/4	940.31	3/4	584.77	3/4	225.01	3/4		3/4		3/4		3/4	
2	2,001.79	2	1,642.04	2	1,282.28	2	933.13	2	577.27	2	217.52	2		2		2		2	
1/4	1,994.30	1/4	1,634.54	1/4	1,274.79	1/4	925.94	1/4	569.78	1/4	210.02	1/4		1/4		1/4		1/4	
1/2	1,986.80	1/2	1,627.05	1/2	1,267.29	1/2	918.75	1/2	562.28	1/2	202.53	1/2		1/2		1/2		1/2	
3/4	1,979.31	3/4	1,619.55	3/4	1,259.80	3/4	911.56	3/4	554.79	3/4	195.03	3/4		3/4		3/4		3/4	
3	1,971.81	3	1,612.06	3	1,252.30	3	904.38	3	547.29	3	187.54	3		3		3		3	
1/4	1,964.32	1/4	1,604.56	1/4	1,244.81	1/4	897.19	1/4	539.80	1/4	180.04	1/4		1/4		1/4		1/4	
1/2	1,956.82	1/2	1,597.07	1/2	1,237.31	1/2	890.00	1/2	532.30	1/2	172.55	1/2		1/2		1/2		1/2	
3/4	1,949.33	3/4	1,589.57	3/4	1,229.82	3/4	882.81	3/4	524.81	3/4	165.05	3/4		3/4		3/4		3/4	
4	1,941.83	4	1,582.08	4	1,222.32	4	875.63	4	517.31	4	157.56	4		4		4		4	
1/4	1,934.34	1/4	1,574.58	1/4	1,214.83	1/4	868.44	1/4	509.82	1/4	150.06	1/4		1/4		1/4		1/4	
1/2	1,926.84	1/2	1,567.09	1/2	1,207.33	1/2	861.23	1/2	502.32	1/2	142.57	1/2		1/2		1/2		1/2	
3/4	1,919.35	3/4	1,559.59	3/4	1,199.84	3/4	854.02	3/4	494.83	3/4	135.07	3/4		3/4		3/4		3/4	
5	1,911.85	5	1,552.10	5	1,192.34	5	846.80	5	487.33	5	127.58	5		5		5		5	
1/4	1,904.36	1/4	1,544.60	1/4	1,184.85	1/4	839.59	1/4	479.84	1/4	120.09	1/4		1/4		1/4		1/4	
1/2	1,896.86	1/2	1,537.11	1/2	1,177.34	1/2	832.10	1/2	472.34	1/2	112.60	1/2		1/2		1/2		1/2	
3/4	1,889.37	3/4	1,529.61	3/4	1,170.42	3/4	824.60	3/4	464.85	3/4	105.12	3/4		3/4		3/4		3/4	
6	1,881.87	6	1,522.12	6	1,163.21	6	817.11	6	457.35	6	97.63	6		6		6		6	
1/4	1,874.38	1/4	1,514.62	1/4	1,155.00	1/4	809.61	1/4	449.86	1/4	90.15	1/4		1/4		1/4		1/4	
1/2	1,866.88	1/2	1,507.13	1/2	1,148.81	1/2	802.12	1/2	442.36	1/2	82.69	1/2		1/2		1/2		1/2	
3/4	1,859.39	3/4	1,499.63	3/4	1,141.61	3/4	794.62	3/4	434.87	3/4	75.23	3/4		3/4		3/4		3/4	
7	1,851.89	7	1,492.14	7	1,134.41	7	787.13	7	427.37	7	67.77	7		7		7		7	
1/4	1,844.40	1/4	1,484.64	1/4	1,127.22	1/4	779.63	1/4	419.88	1/4	60.32	1/4		1/4		1/4		1/4	
1/2	1,836.90	1/2	1,477.15	1/2	1,120.02	1/2	772.14	1/2	412.38	1/2	53.76	1/2		1/2		1/2		1/2	
3/4	1,829.41	3/4	1,469.65	3/4	1,112.83	3/4	764.64	3/4	404.89	3/4	47.20	3/4		3/4		3/4		3/4	
8	1,821.91	8	1,462.16	8	1,105.63	8	757.15	8	397.39	8	40.65	8		8		8		8	
1/4	1,814.42	1/4	1,454.66	1/4	1,098.44	1/4	749.65	1/4	389.90	1/4	34.09	1/4		1/4		1/4		1/4	
1/2	1,806.93	1/2	1,447.17	1/2	1,091.25	1/2	742.16	1/2	382.40	1/2	29.41	1/2		1/2		1/2		1/2	
3/4	1,799.43	3/4	1,439.67	3/4	1,084.06	3/4	734.66	3/4	374.91	3/4	24.72	3/4		3/4		3/4		3/4	
9	1,791.94	9	1,432.18	9	1,076.87	9	727.17	9	367.41	9	20.04	9		9		9		9	
1/4	1,784.44	1/4	1,424.69	1/4	1,069.69	1/4	719.67	1/4	359.92	1/4	15.35	1/4		1/4		1/4		1/4	
1/2	1,776.95	1/2	1,417.19	1/2	1,062.50	1/2	712.18	1/2	352.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,769.45	3/4	1,409.70	3/4	1,055.31	3/4	704.68	3/4	344.93	3/4		3/4		3/4		3/4		3/4	
10	1,761.96	10	1,402.20	10	1,048.12	10	697.19	10	337.43	10		10		10		10		10	
1/4	1,754.46	1/4	1,394.71	1/4	1,040.94	1/4	689.69	1/4	329.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,746.97	1/2	1,387.21	1/2	1,033.75	1/2	682.20	1/2	322.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,739.47	3/4	1,379.72	3/4	1,026.56	3/4	674.70	3/4	314.95	3/4		3/4		3/4		3/4		3/4	
11	1,731.98	11	1,372.22	11	1,019.37	11	667.21	11	307.45	11		11		11		11		11	
1/4	1,724.48	1/4	1,364.73	1/4	1,012.19	1/4	659.71	1/4	299.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,716.99	1/2	1,357.23	1/2	1,005.00	1/2	652.22	1/2	292.46	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.49	3/4	1,349.74	3/4	997.81	3/4	644.72	3/4	284.97	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29145"

2 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,946.26	0	4,588.84	0	4,230.47	0	3,871.52	0	3,512.12	0	3,152.72	0	2,793.32	0	2,433.85
1/4	1/4	1/4	1/4	1/4	4,938.86	1/4	4,581.38	1/4	4,223.00	1/4	3,864.03	1/4	3,504.63	1/4	3,145.23	1/4	2,785.83	1/4	2,426.36
1/2	1/2	1/2	1/2	1/2	4,931.47	1/2	4,573.91	1/2	4,215.54	1/2	3,856.55	1/2	3,497.15	1/2	3,137.75	1/2	2,778.35	1/2	2,418.87
3/4	3/4	3/4	3/4	3/4	4,924.08	3/4	4,566.45	3/4	4,208.07	3/4	3,849.06	3/4	3,489.66	3/4	3,130.26	3/4	2,770.86	3/4	2,411.38
1	1	1	1	1	4,916.69	1	4,558.98	1	4,200.61	1	3,841.57	1	3,482.17	1	3,122.77	1	2,763.37	1	2,403.89
1/4	1/4	1/4	1/4	1/4	4,909.29	1/4	4,551.51	1/4	4,193.14	1/4	3,834.08	1/4	3,474.68	1/4	3,115.28	1/4	2,755.88	1/4	2,396.40
1/2	1/2	1/2	1/2	1/2	4,901.90	1/2	4,544.05	1/2	4,185.67	1/2	3,826.60	1/2	3,467.20	1/2	3,107.80	1/2	2,748.40	1/2	2,388.91
3/4	3/4	3/4	3/4	3/4	4,894.51	3/4	4,536.58	3/4	4,178.21	3/4	3,819.11	3/4	3,459.71	3/4	3,100.31	3/4	2,740.91	3/4	2,381.42
2	2	2	2	2	4,887.12	2	4,529.11	2	4,170.74	2	3,811.62	2	3,452.22	2	3,092.82	2	2,733.42	2	2,373.93
1/4	1/4	1/4	1/4	1/4	4,879.73	1/4	4,521.65	1/4	4,163.28	1/4	3,804.13	1/4	3,444.73	1/4	3,085.33	1/4	2,725.93	1/4	2,366.44
1/2	1/2	1/2	1/2	1/2	4,872.33	1/2	4,514.18	1/2	4,155.81	1/2	3,796.65	1/2	3,437.25	1/2	3,077.85	1/2	2,718.45	1/2	2,358.95
3/4	3/4	3/4	3/4	3/4	4,864.94	3/4	4,506.72	3/4	4,148.34	3/4	3,789.16	3/4	3,429.76	3/4	3,070.36	3/4	2,710.96	3/4	2,351.46
3	3	3	3	3	4,857.55	3	4,499.25	3	4,140.88	3	3,781.67	3	3,422.27	3	3,062.87	3	2,703.47	3	2,343.97
1/4	1/4	1/4	1/4	1/4	4,850.16	1/4	4,491.78	1/4	4,133.41	1/4	3,774.18	1/4	3,414.78	1/4	3,055.38	1/4	2,695.98	1/4	2,336.48
1/2	1/2	1/2	1/2	1/2	4,842.69	1/2	4,484.32	1/2	4,125.95	1/2	3,766.70	1/2	3,407.30	1/2	3,047.90	1/2	2,688.50	1/2	2,328.99
3/4	3/4	3/4	3/4	3/4	4,835.23	3/4	4,476.85	3/4	4,118.48	3/4	3,759.21	3/4	3,399.81	3/4	3,040.41	3/4	2,681.01	3/4	2,321.50
4	4	4	4	4	4,827.76	4	4,469.39	4	4,111.01	4	3,751.72	4	3,392.32	4	3,032.92	4	2,673.52	4	2,314.01
1/4	1/4	1/4	1/4	1/4	4,820.29	1/4	4,461.92	1/4	4,103.55	1/4	3,744.23	1/4	3,384.83	1/4	3,025.43	1/4	2,666.03	1/4	2,306.52
1/2	1/2	1/2	1/2	1/2	4,812.83	1/2	4,454.45	1/2	4,096.08	1/2	3,736.75	1/2	3,377.35	1/2	3,017.95	1/2	2,658.54	1/2	2,299.03
3/4	3/4	3/4	3/4	3/4	4,805.36	3/4	4,446.99	3/4	4,088.62	3/4	3,729.26	3/4	3,369.86	3/4	3,010.46	3/4	2,651.05	3/4	2,291.54
5	5	5	5	5	4,797.89	5	4,439.52	5	4,081.15	5	3,721.77	5	3,362.37	5	3,002.97	5	2,643.56	5	2,284.05
1/4	1/4	1/4	1/4	1/4	4,790.43	1/4	4,432.06	1/4	4,073.68	1/4	3,714.28	1/4	3,354.88	1/4	2,995.48	1/4	2,636.07	1/4	2,276.56
1/2	1/2	1/2	1/2	1/2	4,782.96	1/2	4,424.59	1/2	4,066.20	1/2	3,706.80	1/2	3,347.40	1/2	2,988.00	1/2	2,628.58	1/2	2,269.07
3/4	3/4	3/4	3/4	3/4	4,775.50	3/4	4,417.12	3/4	4,058.71	3/4	3,699.31	3/4	3,339.91	3/4	2,980.51	3/4	2,621.09	3/4	2,261.58
6	6	6	6	6	4,768.03	6	4,409.66	6	4,051.22	6	3,691.82	6	3,332.42	6	2,973.02	6	2,613.60	6	2,254.09
1/4	1/4	5,103.49	1/4	4,760.56	1/4	4,402.19	1/4	4,043.73	1/4	3,684.33	1/4	3,324.93	1/4	2,965.53	1/4	2,606.11	1/4	2,246.60	
1/2	1/2	5,098.28	1/2	4,753.10	1/2	4,394.73	1/2	4,036.25	1/2	3,676.85	1/2	3,317.45	1/2	2,958.05	1/2	2,598.62	1/2	2,239.11	
3/4	3/4	5,093.07	3/4	4,745.63	3/4	4,387.26	3/4	4,028.76	3/4	3,669.36	3/4	3,309.96	3/4	2,950.56	3/4	2,591.13	3/4	2,231.62	
7	7	5,087.86	7	4,738.17	7	4,379.79	7	4,021.27	7	3,661.87	7	3,302.47	7	2,943.07	7	2,583.65	7	2,224.13	
1/4	1/4	5,082.65	1/4	4,730.70	1/4	4,372.33	1/4	4,013.78	1/4	3,654.38	1/4	3,294.98	1/4	2,935.58	1/4	2,576.16	1/4	2,216.64	
1/2	1/2	5,076.19	1/2	4,723.23	1/2	4,364.86	1/2	4,006.30	1/2	3,646.90	1/2	3,287.50	1/2	2,928.10	1/2	2,568.67	1/2	2,209.16	
3/4	3/4	5,069.74	3/4	4,715.77	3/4	4,357.39	3/4	3,998.81	3/4	3,639.41	3/4	3,280.01	3/4	2,920.61	3/4	2,561.18	3/4	2,201.67	
8	8	5,063.28	8	4,708.30	8	4,349.93	8	3,991.32	8	3,631.92	8	3,272.52	8	2,913.12	8	2,553.69	8	2,194.18	
1/4	1/4	5,056.82	1/4	4,700.84	1/4	4,342.46	1/4	3,983.83	1/4	3,624.43	1/4	3,265.03	1/4	2,905.63	1/4	2,546.20	1/4	2,186.69	
1/2	1/2	5,049.50	1/2	4,693.37	1/2	4,335.00	1/2	3,976.35	1/2	3,616.95	1/2	3,257.55	1/2	2,898.15	1/2	2,538.71	1/2	2,179.20	
3/4	3/4	5,042.17	3/4	4,685.90	3/4	4,327.53	3/4	3,968.86	3/4	3,609.46	3/4	3,250.06	3/4	2,890.66	3/4	2,531.22	3/4	2,171.71	
9	9	5,034.85	9	4,678.44	9	4,320.06	9	3,961.37	9	3,601.97	9	3,242.57	9	2,883.17	9	2,523.73	9	2,164.22	
1/4	1/4	5,027.53	1/4	4,670.97	1/4	4,312.60	1/4	3,953.88	1/4	3,594.48	1/4	3,233.08	1/4	2,875.68	1/4	2,516.24	1/4	2,156.73	
1/2	1/2	5,020.15	1/2	4,663.50	1/2	4,305.13	1/2	3,946.40	1/2	3,587.00	1/2	3,224.60	1/2	2,868.20	1/2	2,508.75	1/2	2,149.24	
3/4	3/4	5,012.77	3/4	4,656.04	3/4	4,297.67	3/4	3,938.91	3/4	3,579.51	3/4	3,220.11	3/4	2,860.71	3/4	2,501.26	3/4	2,141.75	
10	10	5,005.39	10	4,648.57	10	4,290.20	10	3,931.42	10	3,572.02	10	3,212.62	10	2,853.22	10	2,493.77	10	2,134.26	
1/4	1/4	4,998.01	1/4	4,641.11	1/4	4,282.73	1/4	3,923.93	1/4	3,564.53	1/4	3,205.13	1/4	2,845.73	1/4	2,486.28	1/4	2,126.77	
1/2	1/2	4,990.61	1/2	4,633.64	1/2	4,275.27	1/2	3,916.45	1/2	3,557.05	1/2	3,197.65	1/2	2,838.25	1/2	2,478.79	1/2	2,119.28	
3/4	3/4	4,983.22	3/4	4,626.17	3/4	4,267.80	3/4	3,908.96	3/4	3,549.56	3/4	3,190.16	3/4	2,830.76	3/4	2,471.30	3/4	2,111.79	
11	11	4,975.83	11	4,618.71	11	4,260.34	11	3,901.47	11	3,542.07	11	3,182.67	11	2,823.27	11	2,463.81	11	2,104.30	
1/4	1/4	4,968.44	1/4	4,611.24	1/4	4,252.87	1/4	3,893.98	1/4	3,534.58	1/4	3,175.18	1/4	2,815.78	1/4	2,456.32	1/4	2,096.81	
1/2	1/2	4,961.04	1/2	4,603.78	1/2	4,245.40	1/2	3,886.50	1/2	3,527.10	1/2	3,167.70	1/2	2,808.30	1/2	2,448.83	1/2	2,089.32	
3/4	3/4	4,953.65	3/4	4,596.31	3/4	4,237.94	3/4	3,879.01	3/4	3,519.61	3/4	3,160.21	3/4	2,800.81	3/4	2,441.34	3/4	2,081.83	

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 13'-00" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29145"

2 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,074.34	0	1,714.83	0	1,355.32	0	996.07	0	636.80	0	277.29	0		0		0		0	
1/4	2,066.85	1/4	1,707.34	1/4	1,347.83	1/4	988.59	1/4	629.31	1/4	269.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,059.36	1/2	1,699.85	1/2	1,340.34	1/2	981.12	1/2	621.82	1/2	262.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,051.87	3/4	1,692.36	3/4	1,332.85	3/4	973.64	3/4	614.33	3/4	254.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,044.38	1	1,684.87	1	1,325.36	1	966.17	1	606.84	1	247.33	1	1	1	1	1	1	1	1
1/4	2,036.89	1/4	1,677.38	1/4	1,317.87	1/4	958.69	1/4	599.35	1/4	239.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,029.40	1/2	1,669.89	1/2	1,310.38	1/2	951.22	1/2	591.86	1/2	232.35	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,021.91	3/4	1,662.40	3/4	1,302.89	3/4	943.74	3/4	584.37	3/4	224.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,014.42	2	1,654.91	2	1,295.40	2	936.27	2	576.88	2	217.37	2	2	2	2	2	2	2	2
1/4	2,006.93	1/4	1,647.42	1/4	1,287.91	1/4	928.79	1/4	569.39	1/4	209.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,999.44	1/2	1,639.93	1/2	1,280.42	1/2	921.31	1/2	561.90	1/2	202.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,991.95	3/4	1,632.44	3/4	1,272.93	3/4	913.84	3/4	554.41	3/4	194.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,984.46	3	1,624.95	3	1,265.44	3	906.36	3	546.93	3	187.41	3	3	3	3	3	3	3	3
1/4	1,976.97	1/4	1,617.46	1/4	1,257.95	1/4	898.89	1/4	539.44	1/4	179.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,969.48	1/2	1,609.97	1/2	1,250.46	1/2	891.41	1/2	531.95	1/2	172.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,961.99	3/4	1,602.48	3/4	1,242.97	3/4	883.94	3/4	524.46	3/4	164.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,954.50	4	1,594.99	4	1,235.48	4	876.46	4	516.97	4	157.46	4	4	4	4	4	4	4	4
1/4	1,947.01	1/4	1,587.50	1/4	1,227.99	1/4	868.99	1/4	509.48	1/4	149.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,939.52	1/2	1,580.01	1/2	1,220.50	1/2	861.50	1/2	501.99	1/2	142.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,932.03	3/4	1,572.52	3/4	1,213.01	3/4	854.01	3/4	494.50	3/4	134.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,924.54	5	1,565.03	5	1,205.52	5	846.52	5	487.01	5	127.50	5	5	5	5	5	5	5	5
1/4	1,917.05	1/4	1,557.54	1/4	1,198.03	1/4	839.03	1/4	479.52	1/4	120.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,909.56	1/2	1,550.05	1/2	1,190.54	1/2	831.54	1/2	472.03	1/2	112.53	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,902.07	3/4	1,542.56	3/4	1,183.05	3/4	824.05	3/4	464.54	3/4	105.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,894.58	6	1,535.07	6	1,175.56	6	816.56	6	457.05	6	97.57	6	6	6	6	6	6	6	6
1/4	1,887.09	1/4	1,527.58	1/4	1,168.07	1/4	809.07	1/4	449.56	1/4	90.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,879.60	1/2	1,520.09	1/2	1,160.59	1/2	801.58	1/2	442.07	1/2	82.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,872.11	3/4	1,512.60	3/4	1,153.10	3/4	794.09	3/4	434.58	3/4	75.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,864.62	7	1,505.11	7	1,145.62	7	786.60	7	427.09	7	67.74	7	7	7	7	7	7	7	7
1/4	1,857.13	1/4	1,497.62	1/4	1,138.14	1/4	779.11	1/4	419.60	1/4	60.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,849.64	1/2	1,490.13	1/2	1,130.65	1/2	771.62	1/2	412.11	1/2	53.73	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,842.15	3/4	1,482.64	3/4	1,123.17	3/4	764.13	3/4	404.62	3/4	47.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,834.67	8	1,475.15	8	1,115.68	8	756.64	8	397.13	8	40.63	8	8	8	8	8	8	8	8
1/4	1,827.18	1/4	1,467.66	1/4	1,108.20	1/4	749.15	1/4	389.64	1/4	34.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,819.69	1/2	1,460.18	1/2	1,100.72	1/2	741.66	1/2	382.15	1/2	29.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,812.20	3/4	1,452.69	3/4	1,093.25	3/4	734.17	3/4	374.66	3/4	24.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,804.71	9	1,445.20	9	1,085.77	9	726.68	9	367.17	9	20.03	9	9	9	9	9	9	9	9
1/4	1,797.22	1/4	1,437.71	1/4	1,078.30	1/4	719.19	1/4	359.68	1/4	15.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,789.73	1/2	1,430.22	1/2	1,070.82	1/2	711.70	1/2	352.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,782.24	3/4	1,422.73	3/4	1,063.35	3/4	704.21	3/4	344.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,774.75	10	1,415.24	10	1,055.87	10	696.72	10	337.21	10	10	10	10	10	10	10	10	10	10
1/4	1,767.26	1/4	1,407.75	1/4	1,048.40	1/4	689.23	1/4	329.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,759.77	1/2	1,400.26	1/2	1,040.92	1/2	681.74	1/2	322.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,752.28	3/4	1,392.77	3/4	1,033.45	3/4	674.25	3/4	314.74	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
11	1,744.79	11	1,385.28	11	1,025.97	11	666.76	11	307.25	11	11	11	11	11	11	11	11	11	11
1/4	1,737.30	1/4	1,377.79	1/4	1,018.49	1/4	659.27	1/4	299.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,729.81	1/2	1,370.30	1/2	1,011.02	1/2	651.78	1/2	292.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,722.32	3/4	1,362.81	3/4	1,003.54	3/4	644.29	3/4	284.78	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29145"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,366.58	0	4,147.96	0	3,928.72	0	3,709.14	0	3,477.68	0	3,128.10	0	2,771.13	0	2,414.10
1/4		1/4		1/4	4,362.06	1/4	4,143.39	1/4	3,924.15	1/4	3,704.56	1/4	3,471.47	1/4	3,120.66	1/4	2,763.69	1/4	2,406.66
1/2		1/2		1/2	4,357.54	1/2	4,138.83	1/2	3,919.58	1/2	3,699.98	1/2	3,465.26	1/2	3,113.23	1/2	2,756.26	1/2	2,399.21
3/4		3/4		3/4	4,353.01	3/4	4,134.26	3/4	3,915.01	3/4	3,695.40	3/4	3,458.57	3/4	3,105.79	3/4	2,748.82	3/4	2,391.76
1		1		1	4,348.49	1	4,129.69	1	3,910.45	1	3,690.82	1	3,451.88	1	3,098.35	1	2,741.38	1	2,384.32
1/4		1/4		1/4	4,343.97	1/4	4,125.12	1/4	3,905.88	1/4	3,686.24	1/4	3,445.20	1/4	3,090.92	1/4	2,733.95	1/4	2,376.87
1/2		1/2		1/2	4,339.44	1/2	4,120.56	1/2	3,901.31	1/2	3,681.66	1/2	3,438.51	1/2	3,083.48	1/2	2,726.51	1/2	2,369.42
3/4		3/4		3/4	4,334.92	3/4	4,115.99	3/4	3,896.74	3/4	3,677.08	3/4	3,431.34	3/4	3,076.04	3/4	2,719.07	3/4	2,361.97
2		2		2	4,330.40	2	4,111.42	2	3,892.18	2	3,672.50	2	3,424.17	2	3,068.61	2	2,711.63	2	2,354.53
1/4		1/4		1/4	4,325.88	1/4	4,106.85	1/4	3,887.61	1/4	3,667.92	1/4	3,417.00	1/4	3,061.17	1/4	2,704.20	1/4	2,347.08
1/2		1/2		1/2	4,321.35	1/2	4,102.29	1/2	3,883.04	1/2	3,663.34	1/2	3,409.84	1/2	3,053.73	1/2	2,696.76	1/2	2,339.63
3/4		3/4		3/4	4,316.83	3/4	4,097.72	3/4	3,878.47	3/4	3,658.76	3/4	3,402.44	3/4	3,046.30	3/4	2,689.32	3/4	2,332.19
3		3		3	4,312.31	3	4,093.15	3	3,873.91	3	3,654.18	3	3,395.05	3	3,038.86	3	2,681.89	3	2,324.74
1/4		1/4		1/4	4,307.78	1/4	4,088.58	1/4	3,869.34	1/4	3,649.60	1/4	3,387.65	1/4	3,031.42	1/4	2,674.45	1/4	2,317.29
1/2		1/2		1/2	4,303.26	1/2	4,084.02	1/2	3,864.77	1/2	3,645.02	1/2	3,380.26	1/2	3,023.98	1/2	2,667.01	1/2	2,309.84
3/4		3/4		3/4	4,298.69	3/4	4,079.45	3/4	3,860.20	3/4	3,640.44	3/4	3,372.85	3/4	3,016.55	3/4	2,659.58	3/4	2,302.40
4		4		4	4,294.12	4	4,074.88	4	3,855.64	4	3,635.86	4	3,365.45	4	3,009.11	4	2,652.14	4	2,294.95
1/4		1/4		1/4	4,289.56	1/4	4,070.31	1/4	3,851.07	1/4	3,631.28	1/4	3,358.04	1/4	3,001.67	1/4	2,644.70	1/4	2,287.50
1/2		1/2		1/2	4,284.99	1/2	4,065.74	1/2	3,846.50	1/2	3,626.70	1/2	3,350.64	1/2	2,994.24	1/2	2,637.27	1/2	2,280.06
3/4		3/4		3/4	4,280.42	3/4	4,061.18	3/4	3,841.93	3/4	3,622.12	3/4	3,343.23	3/4	2,986.80	3/4	2,629.83	3/4	2,272.61
5		5		5	4,275.85	5	4,056.61	5	3,837.36	5	3,617.54	5	3,335.82	5	2,979.36	5	2,622.39	5	2,265.17
1/4		1/4		1/4	4,271.29	1/4	4,052.04	1/4	3,832.80	1/4	3,612.96	1/4	3,328.41	1/4	2,971.93	1/4	2,614.95	1/4	2,257.73
1/2		1/2		1/2	4,266.72	1/2	4,047.47	1/2	3,828.23	1/2	3,608.38	1/2	3,321.01	1/2	2,964.49	1/2	2,607.51	1/2	2,250.29
3/4		3/4		3/4	4,262.15	3/4	4,042.91	3/4	3,823.65	3/4	3,603.79	3/4	3,313.60	3/4	2,957.05	3/4	2,600.08	3/4	2,242.85
6		6		6	4,257.58	6	4,038.34	6	3,819.07	6	3,599.21	6	3,306.19	6	2,949.62	6	2,592.64	6	2,235.41
1/4		1/4		1/4	4,253.02	1/4	4,033.77	1/4	3,814.49	1/4	3,594.63	1/4	3,298.78	1/4	2,942.18	1/4	2,585.20	1/4	2,227.96
1/2		1/2	4,458.26	1/2	4,248.45	1/2	4,029.20	1/2	3,809.91	1/2	3,590.05	1/2	3,291.37	1/2	2,934.74	1/2	2,577.76	1/2	2,220.52
3/4		3/4	4,455.07	3/4	4,243.88	3/4	4,024.64	3/4	3,805.33	3/4	3,585.47	3/4	3,283.96	3/4	2,927.31	3/4	2,570.32	3/4	2,213.08
7		7	4,451.89	7	4,239.31	7	4,020.07	7	3,800.75	7	3,580.89	7	3,276.56	7	2,919.87	7	2,562.88	7	2,205.64
1/4		1/4	4,448.70	1/4	4,234.75	1/4	4,015.50	1/4	3,796.17	1/4	3,576.31	1/4	3,269.15	1/4	2,912.43	1/4	2,555.45	1/4	2,198.20
1/2		1/2	4,445.51	1/2	4,230.18	1/2	4,010.93	1/2	3,791.59	1/2	3,571.73	1/2	3,261.74	1/2	2,904.99	1/2	2,548.01	1/2	2,190.76
3/4		3/4	4,441.56	3/4	4,225.61	3/4	4,006.37	3/4	3,787.01	3/4	3,567.15	3/4	3,254.33	3/4	2,897.56	3/4	2,540.57	3/4	2,183.31
8		8	4,437.61	8	4,221.04	8	4,001.80	8	3,782.43	8	3,562.57	8	3,246.92	8	2,890.12	8	2,533.13	8	2,175.87
1/4		1/4	4,433.66	1/4	4,216.48	1/4	3,997.23	1/4	3,777.85	1/4	3,557.99	1/4	3,239.51	1/4	2,882.68	1/4	2,525.69	1/4	2,168.43
1/2		1/2	4,429.71	1/2	4,211.91	1/2	3,992.66	1/2	3,773.27	1/2	3,553.41	1/2	3,232.10	1/2	2,875.25	1/2	2,518.26	1/2	2,160.99
3/4		3/4	4,425.23	3/4	4,207.34	3/4	3,988.10	3/4	3,768.69	3/4	3,548.59	3/4	3,224.70	3/4	2,867.81	3/4	2,510.82	3/4	2,153.55
9		9	4,420.75	9	4,202.77	9	3,983.53	9	3,764.11	9	3,543.77	9	3,217.29	9	2,860.37	9	2,503.38	9	2,146.11
1/4		1/4	4,416.27	1/4	4,198.21	1/4	3,978.96	1/4	3,759.53	1/4	3,538.95	1/4	3,209.88	1/4	2,852.94	1/4	2,495.94	1/4	2,138.66
1/2		1/2	4,411.79	1/2	4,193.64	1/2	3,974.39	1/2	3,754.94	1/2	3,534.13	1/2	3,202.47	1/2	2,845.50	1/2	2,488.50	1/2	2,131.22
3/4		3/4	4,407.27	3/4	4,189.07	3/4	3,969.83	3/4	3,750.36	3/4	3,528.87	3/4	3,195.03	3/4	2,838.06	3/4	2,481.07	3/4	2,123.78
10		10	4,402.76	10	4,184.50	10	3,965.26	10	3,745.78	10	3,523.60	10	3,187.60	10	2,830.63	10	2,473.63	10	2,116.34
1/4		1/4	4,398.24	1/4	4,179.93	1/4	3,960.69	1/4	3,741.20	1/4	3,518.34	1/4	3,180.16	1/4	2,823.19	1/4	2,466.19	1/4	2,108.90
1/2		1/2	4,393.73	1/2	4,175.37	1/2	3,956.12	1/2	3,736.62	1/2	3,513.08	1/2	3,172.72	1/2	2,815.75	1/2	2,458.75	1/2	2,101.46
3/4		3/4	4,389.20	3/4	4,170.80	3/4	3,951.55	3/4	3,732.04	3/4	3,507.34	3/4	3,165.29	3/4	2,808.31	3/4	2,451.31	3/4	2,094.04
11		11	4,384.68	11	4,166.23	11	3,946.99	11	3,727.46	11	3,501.59	11	3,157.85	11	2,800.88	11	2,443.88	11	2,086.61
1/4		1/4	4,380.15	1/4	4,161.66	1/4	3,942.42	1/4	3,722.88	1/4	3,495.85	1/4	3,150.41	1/4	2,793.44	1/4	2,436.44	1/4	2,079.19
1/2		1/2	4,375.63	1/2	4,157.10	1/2	3,937.85	1/2	3,718.30	1/2	3,490.11	1/2	3,142.98	1/2	2,786.00	1/2	2,429.00	1/2	2,071.77
3/4		3/4	4,371.11	3/4	4,152.53	3/4	3,933.28	3/4	3,713.72	3/4	3,483.89	3/4	3,135.54	3/4	2,778.57	3/4	2,421.55	3/4	2,064.35

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 13'-00" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29145"

3 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,056.93	0	1,700.27	0	1,342.91	0	992.24	0	641.33	0	283.71	0		0		0		0	
1/4	2,049.51	1/4	1,692.83	1/4	1,335.47	1/4	985.08	1/4	633.88	1/4	276.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,042.08	1/2	1,685.38	1/2	1,328.02	1/2	977.93	1/2	626.43	1/2	268.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,034.66	3/4	1,677.94	3/4	1,320.58	3/4	970.78	3/4	618.98	3/4	261.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,027.23	1	1,670.49	1	1,313.13	1	963.62	1	611.53	1	253.86	1	1	1	1	1	1	1	1
1/4	2,019.80	1/4	1,663.05	1/4	1,305.69	1/4	956.47	1/4	604.08	1/4	246.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,012.37	1/2	1,655.60	1/2	1,298.24	1/2	949.32	1/2	596.63	1/2	238.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,004.94	3/4	1,648.16	3/4	1,290.80	3/4	942.16	3/4	589.18	3/4	231.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,997.51	2	1,640.71	2	1,283.35	2	935.01	2	581.73	2	224.02	2	2	2	2	2	2	2	2
1/4	1,990.08	1/4	1,633.27	1/4	1,275.91	1/4	927.86	1/4	574.28	1/4	216.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,982.66	1/2	1,625.82	1/2	1,268.46	1/2	920.70	1/2	566.83	1/2	209.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,975.23	3/4	1,618.38	3/4	1,261.02	3/4	913.55	3/4	559.38	3/4	201.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,967.80	3	1,610.93	3	1,253.57	3	906.40	3	551.93	3	194.17	3	3	3	3	3	3	3	3
1/4	1,960.37	1/4	1,603.49	1/4	1,246.13	1/4	899.25	1/4	544.48	1/4	186.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,952.94	1/2	1,596.04	1/2	1,238.68	1/2	892.09	1/2	537.03	1/2	179.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,945.51	3/4	1,588.60	3/4	1,231.24	3/4	884.94	3/4	529.58	3/4	171.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,938.08	4	1,581.15	4	1,223.79	4	877.79	4	522.13	4	164.32	4	4	4	4	4	4	4	4
1/4	1,930.66	1/4	1,573.71	1/4	1,216.35	1/4	870.63	1/4	514.68	1/4	156.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,923.23	1/2	1,566.26	1/2	1,208.90	1/2	863.48	1/2	507.23	1/2	149.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,915.80	3/4	1,558.82	3/4	1,201.46	3/4	856.30	3/4	499.78	3/4	141.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,908.37	5	1,551.37	5	1,194.01	5	849.13	5	492.33	5	134.48	5	5	5	5	5	5	5	5
1/4	1,900.94	1/4	1,543.93	1/4	1,186.57	1/4	841.95	1/4	484.88	1/4	127.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,893.51	1/2	1,536.48	1/2	1,179.12	1/2	834.78	1/2	477.43	1/2	119.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,886.08	3/4	1,529.04	3/4	1,171.68	3/4	827.39	3/4	469.98	3/4	112.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,878.66	6	1,521.59	6	1,164.23	6	820.00	6	462.53	6	104.66	6	6	6	6	6	6	6	6
1/4	1,871.23	1/4	1,514.15	1/4	1,156.79	1/4	812.62	1/4	455.08	1/4	97.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,863.80	1/2	1,506.70	1/2	1,150.17	1/2	805.23	1/2	447.63	1/2	89.75	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,856.37	3/4	1,499.26	3/4	1,142.95	3/4	797.78	3/4	440.18	3/4	82.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,848.94	7	1,491.81	7	1,135.72	7	790.33	7	432.73	7	74.90	7	7	7	7	7	7	7	7
1/4	1,841.51	1/4	1,484.37	1/4	1,128.50	1/4	782.88	1/4	425.28	1/4	67.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,834.08	1/2	1,476.92	1/2	1,121.27	1/2	775.43	1/2	417.83	1/2	60.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,826.66	3/4	1,469.48	3/4	1,114.05	3/4	767.98	3/4	410.38	3/4	53.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,819.23	8	1,462.03	8	1,106.83	8	760.53	8	402.93	8	47.00	8	8	8	8	8	8	8	8
1/4	1,811.80	1/4	1,454.59	1/4	1,099.60	1/4	753.08	1/4	395.48	1/4	40.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,804.37	1/2	1,447.14	1/2	1,092.38	1/2	745.63	1/2	388.03	1/2	33.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,796.94	3/4	1,439.70	3/4	1,085.23	3/4	738.18	3/4	380.58	3/4	29.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,789.51	9	1,432.25	9	1,078.07	9	730.73	9	373.13	9	24.61	9	9	9	9	9	9	9	9
1/4	1,782.08	1/4	1,424.81	1/4	1,070.92	1/4	723.28	1/4	365.68	1/4	19.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,774.66	1/2	1,417.36	1/2	1,063.77	1/2	715.83	1/2	358.23	1/2	15.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,767.23	3/4	1,409.92	3/4	1,056.61	3/4	708.38	3/4	350.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,759.80	10	1,402.47	10	1,049.46	10	700.93	10	343.33	10		10	10	10	10	10	10	10	10
1/4	1,752.37	1/4	1,395.03	1/4	1,042.31	1/4	693.48	1/4	335.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,744.94	1/2	1,387.58	1/2	1,035.15	1/2	686.03	1/2	328.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,737.50	3/4	1,380.14	3/4	1,028.00	3/4	678.58	3/4	320.98	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,730.05	11	1,372.69	11	1,020.85	11	671.13	11	313.53	11		11	11	11	11	11	11	11	11
1/4	1,722.61	1/4	1,365.25	1/4	1,013.70	1/4	663.68	1/4	306.08	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,715.16	1/2	1,357.80	1/2	1,006.54	1/2	656.23	1/2	298.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,707.72	3/4	1,350.36	3/4	999.39	3/4	648.78	3/4	291.17	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: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023



BARGE "CTC 29145"

3 STBD ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,394.27	0	4,175.52	0	3,956.10	0	3,736.36	0	3,506.34	0	3,157.07	0	2,799.16	0	2,441.22
1/4		1/4		1/4	4,389.74	1/4	4,170.95	1/4	3,951.52	1/4	3,731.77	1/4	3,500.12	1/4	3,149.61	1/4	2,791.71	1/4	2,433.75
1/2		1/2		1/2	4,385.21	1/2	4,166.38	1/2	3,946.95	1/2	3,727.19	1/2	3,493.89	1/2	3,142.15	1/2	2,784.25	1/2	2,426.28
3/4		3/4		3/4	4,380.68	3/4	4,161.80	3/4	3,942.38	3/4	3,722.61	3/4	3,487.66	3/4	3,134.70	3/4	2,776.80	3/4	2,418.82
1		1		1	4,376.16	1	4,157.23	1	3,937.81	1	3,718.02	1	3,480.95	1	3,127.24	1	2,769.34	1	2,411.35
1/4		1/4		1/4	4,371.63	1/4	4,152.66	1/4	3,933.24	1/4	3,713.44	1/4	3,474.25	1/4	3,119.79	1/4	2,761.88	1/4	2,403.88
1/2		1/2		1/2	4,367.11	1/2	4,148.09	1/2	3,928.67	1/2	3,708.86	1/2	3,467.54	1/2	3,112.33	1/2	2,754.43	1/2	2,396.42
3/4		3/4		3/4	4,362.58	3/4	4,143.52	3/4	3,924.10	3/4	3,704.27	3/4	3,460.83	3/4	3,104.87	3/4	2,746.97	3/4	2,388.95
2		2		2	4,358.05	2	4,138.95	2	3,919.53	2	3,699.69	2	3,453.64	2	3,097.42	2	2,739.51	2	2,381.48
1/4		1/4		1/4	4,353.53	1/4	4,134.38	1/4	3,914.95	1/4	3,695.10	1/4	3,446.46	1/4	3,089.96	1/4	2,732.06	1/4	2,374.02
1/2		1/2		1/2	4,349.00	1/2	4,129.81	1/2	3,910.38	1/2	3,690.52	1/2	3,439.27	1/2	3,082.50	1/2	2,724.60	1/2	2,366.55
3/4		3/4		3/4	4,344.48	3/4	4,125.23	3/4	3,905.81	3/4	3,685.94	3/4	3,432.08	3/4	3,075.05	3/4	2,717.14	3/4	2,359.08
3		3		3	4,339.95	3	4,120.66	3	3,901.24	3	3,681.35	3	3,424.67	3	3,067.59	3	2,709.69	3	2,351.62
1/4		1/4		1/4	4,335.42	1/4	4,116.09	1/4	3,896.67	1/4	3,676.77	1/4	3,417.25	1/4	3,060.13	1/4	2,702.23	1/4	2,344.15
1/2		1/2		1/2	4,330.90	1/2	4,111.52	1/2	3,892.10	1/2	3,672.18	1/2	3,409.84	1/2	3,052.68	1/2	2,694.78	1/2	2,336.68
3/4		3/4		3/4	4,326.37	3/4	4,106.95	3/4	3,887.53	3/4	3,667.60	3/4	3,402.43	3/4	3,045.22	3/4	2,687.32	3/4	2,329.22
4		4		4	4,321.80	4	4,102.38	4	3,882.96	4	3,663.02	4	3,395.00	4	3,037.77	4	2,679.86	4	2,321.75
1/4		1/4		1/4	4,317.23	1/4	4,097.81	1/4	3,878.38	1/4	3,658.43	1/4	3,387.58	1/4	3,030.31	1/4	2,672.41	1/4	2,314.28
1/2		1/2		1/2	4,312.66	1/2	4,093.23	1/2	3,873.81	1/2	3,653.85	1/2	3,380.15	1/2	3,022.85	1/2	2,664.95	1/2	2,306.82
3/4		3/4		3/4	4,308.09	3/4	4,088.66	3/4	3,869.24	3/4	3,649.26	3/4	3,372.73	3/4	3,015.40	3/4	2,657.49	3/4	2,299.35
5		5		5	4,303.51	5	4,084.09	5	3,864.67	5	3,644.68	5	3,365.30	5	3,007.94	5	2,650.04	5	2,291.88
1/4		1/4		1/4	4,298.94	1/4	4,079.52	1/4	3,860.10	1/4	3,640.10	1/4	3,357.88	1/4	3,000.48	1/4	2,642.58	1/4	2,284.42
1/2		1/2		1/2	4,294.37	1/2	4,074.95	1/2	3,855.53	1/2	3,635.51	1/2	3,350.45	1/2	2,993.03	1/2	2,635.12	1/2	2,276.95
3/4		3/4		3/4	4,289.80	3/4	4,070.38	3/4	3,850.96	3/4	3,630.93	3/4	3,343.02	3/4	2,985.57	3/4	2,627.66	3/4	2,269.48
6		6		6	4,285.23	6	4,065.81	6	3,846.37	6	3,626.34	6	3,335.59	6	2,978.12	6	2,620.21	6	2,262.02
1/4		1/4		1/4	4,280.66	1/4	4,061.24	1/4	3,841.79	1/4	3,621.76	1/4	3,328.16	1/4	2,970.66	1/4	2,612.75	1/4	2,254.55
1/2		1/2		1/2	4,276.09	1/2	4,056.66	1/2	3,837.20	1/2	3,617.18	1/2	3,320.74	1/2	2,963.20	1/2	2,605.29	1/2	2,247.08
3/4		3/4	4,481.48	3/4	4,271.52	3/4	4,052.09	3/4	3,832.62	3/4	3,612.59	3/4	3,313.31	3/4	2,955.75	3/4	2,597.83	3/4	2,239.62
7		7	4,478.29	7	4,266.94	7	4,047.52	7	3,828.04	7	3,608.01	7	3,305.88	7	2,948.29	7	2,590.38	7	2,232.15
1/4		1/4	4,475.10	1/4	4,262.37	1/4	4,042.95	1/4	3,823.45	1/4	3,603.43	1/4	3,298.45	1/4	2,940.83	1/4	2,582.92	1/4	2,224.68
1/2		1/2	4,471.91	1/2	4,257.80	1/2	4,038.38	1/2	3,818.87	1/2	3,598.84	1/2	3,291.02	1/2	2,933.38	1/2	2,575.46	1/2	2,217.22
3/4		3/4	4,468.72	3/4	4,253.23	3/4	4,033.81	3/4	3,814.28	3/4	3,594.26	3/4	3,283.60	3/4	2,925.92	3/4	2,568.00	3/4	2,209.75
8		8	4,464.77	8	4,248.66	8	4,029.24	8	3,809.70	8	3,589.67	8	3,276.17	8	2,918.46	8	2,560.55	8	2,202.28
1/4		1/4	4,460.81	1/4	4,244.09	1/4	4,024.67	1/4	3,805.12	1/4	3,585.09	1/4	3,268.74	1/4	2,911.01	1/4	2,553.09	1/4	2,194.82
1/2		1/2	4,456.86	1/2	4,239.52	1/2	4,020.09	1/2	3,800.53	1/2	3,580.51	1/2	3,261.31	1/2	2,903.55	1/2	2,545.63	1/2	2,187.35
3/4		3/4	4,452.90	3/4	4,234.95	3/4	4,015.52	3/4	3,795.95	3/4	3,575.92	3/4	3,253.88	3/4	2,896.10	3/4	2,538.17	3/4	2,179.88
9		9	4,448.42	9	4,230.37	9	4,010.95	9	3,791.37	9	3,571.10	9	3,246.46	9	2,888.64	9	2,530.72	9	2,172.42
1/4		1/4	4,443.94	1/4	4,225.80	1/4	4,006.38	1/4	3,786.78	1/4	3,566.27	1/4	3,239.03	1/4	2,881.18	1/4	2,523.26	1/4	2,164.95
1/2		1/2	4,439.45	1/2	4,221.23	1/2	4,001.81	1/2	3,782.20	1/2	3,561.45	1/2	3,231.60	1/2	2,873.73	1/2	2,515.80	1/2	2,157.48
3/4		3/4	4,434.97	3/4	4,216.66	3/4	3,997.24	3/4	3,777.61	3/4	3,556.63	3/4	3,224.17	3/4	2,866.27	3/4	2,508.34	3/4	2,150.02
10		10	4,430.45	10	4,212.09	10	3,992.67	10	3,773.03	10	3,551.36	10	3,216.72	10	2,858.81	10	2,500.88	10	2,142.55
1/4		1/4	4,425.93	1/4	4,207.52	1/4	3,988.10	1/4	3,768.45	1/4	3,546.09	1/4	3,209.26	1/4	2,851.36	1/4	2,493.43	1/4	2,135.08
1/2		1/2	4,421.41	1/2	4,202.95	1/2	3,983.52	1/2	3,763.86	1/2	3,540.83	1/2	3,201.80	1/2	2,843.90	1/2	2,485.97	1/2	2,127.62
3/4		3/4	4,416.90	3/4	4,198.37	3/4	3,978.95	3/4	3,759.28	3/4	3,535.56	3/4	3,194.35	3/4	2,836.45	3/4	2,478.51	3/4	2,120.15
11		11	4,412.37	11	4,193.80	11	3,974.38	11	3,754.69	11	3,529.81	11	3,186.89	11	2,828.99	11	2,471.05	11	2,112.68
1/4		1/4	4,407.84	1/4	4,189.23	1/4	3,969.81	1/4	3,750.11	1/4	3,524.06	1/4	3,179.44	1/4	2,821.53	1/4	2,463.60	1/4	2,105.22
1/2		1/2	4,403.32	1/2	4,184.66	1/2	3,965.24	1/2	3,745.53	1/2	3,518.32	1/2	3,171.98	1/2	2,814.08	1/2	2,456.14	1/2	2,097.75
3/4		3/4	4,398.79	3/4	4,180.09	3/4	3,960.67	3/4	3,740.94	3/4	3,512.57	3/4	3,164.52	3/4	2,806.62	3/4	2,448.68	3/4	2,090.28

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 13'-00" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29145"

3 STBD ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "E2MS 315"

GAUGE HEIGHT 15'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,082.82	0	1,724.42	0	1,366.02	0	1,007.86	0	649.74	0	291.36	0		0		0		0	
1/4	2,075.35	1/4	1,716.95	1/4	1,358.56	1/4	1,000.41	1/4	642.28	1/4	283.89	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,067.89	1/2	1,709.49	1/2	1,351.09	1/2	992.95	1/2	634.81	1/2	276.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,060.42	3/4	1,702.02	3/4	1,343.62	3/4	985.50	3/4	627.34	3/4	268.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,052.95	1	1,694.56	1	1,336.16	1	978.05	1	619.88	1	261.49	1	1	1	1	1	1	1	1
1/4	2,045.49	1/4	1,687.09	1/4	1,328.69	1/4	970.60	1/4	612.41	1/4	254.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,038.02	1/2	1,679.62	1/2	1,321.23	1/2	963.15	1/2	604.94	1/2	246.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,030.55	3/4	1,672.16	3/4	1,313.76	3/4	955.69	3/4	597.48	3/4	239.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,023.09	2	1,664.69	2	1,306.29	2	948.24	2	590.01	2	231.62	2	2	2	2	2	2	2	2
1/4	2,015.62	1/4	1,657.22	1/4	1,298.83	1/4	940.79	1/4	582.55	1/4	224.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,008.15	1/2	1,649.76	1/2	1,291.36	1/2	933.34	1/2	575.08	1/2	216.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,000.69	3/4	1,642.29	3/4	1,283.89	3/4	925.89	3/4	567.61	3/4	209.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,993.22	3	1,634.82	3	1,276.43	3	918.43	3	560.15	3	201.76	3	3	3	3	3	3	3	3
1/4	1,985.75	1/4	1,627.36	1/4	1,268.96	1/4	910.98	1/4	552.68	1/4	194.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,978.29	1/2	1,619.89	1/2	1,261.49	1/2	903.53	1/2	545.21	1/2	186.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,970.82	3/4	1,612.42	3/4	1,254.03	3/4	896.08	3/4	537.75	3/4	179.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,963.35	4	1,604.96	4	1,246.56	4	888.63	4	530.28	4	171.89	4	4	4	4	4	4	4	4
1/4	1,955.89	1/4	1,597.49	1/4	1,239.09	1/4	881.17	1/4	522.81	1/4	164.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,948.42	1/2	1,590.02	1/2	1,231.63	1/2	873.72	1/2	515.35	1/2	156.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,940.95	3/4	1,582.56	3/4	1,224.16	3/4	866.27	3/4	507.88	3/4	149.49	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,933.49	5	1,575.09	5	1,216.69	5	858.80	5	500.42	5	142.03	5	5	5	5	5	5	5	5
1/4	1,926.02	1/4	1,567.62	1/4	1,209.23	1/4	851.34	1/4	492.95	1/4	134.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,918.55	1/2	1,560.16	1/2	1,201.76	1/2	843.87	1/2	485.48	1/2	127.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,911.09	3/4	1,552.69	3/4	1,194.29	3/4	836.40	3/4	478.02	3/4	119.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,903.62	6	1,545.22	6	1,186.83	6	828.94	6	470.55	6	112.18	6	6	6	6	6	6	6	6
1/4	1,896.15	1/4	1,537.76	1/4	1,179.36	1/4	821.47	1/4	463.08	1/4	104.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,888.69	1/2	1,530.29	1/2	1,171.89	1/2	814.00	1/2	455.62	1/2	97.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,881.22	3/4	1,522.82	3/4	1,164.43	3/4	806.54	3/4	448.15	3/4	89.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,873.75	7	1,515.36	7	1,156.97	7	799.07	7	440.68	7	82.38	7	7	7	7	7	7	7	7
1/4	1,866.29	1/4	1,507.89	1/4	1,149.50	1/4	791.60	1/4	433.22	1/4	74.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,858.82	1/2	1,500.42	1/2	1,142.04	1/2	784.14	1/2	425.75	1/2	67.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,851.35	3/4	1,492.96	3/4	1,134.58	3/4	776.67	3/4	418.28	3/4	60.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,843.89	8	1,485.49	8	1,127.12	8	769.21	8	410.82	8	53.56	8	8	8	8	8	8	8	8
1/4	1,836.42	1/4	1,478.02	1/4	1,119.66	1/4	761.74	1/4	403.35	1/4	47.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,828.95	1/2	1,470.56	1/2	1,112.20	1/2	754.27	1/2	395.89	1/2	40.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,821.49	3/4	1,463.09	3/4	1,104.74	3/4	746.81	3/4	388.42	3/4	33.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,814.02	9	1,455.62	9	1,097.28	9	739.34	9	380.95	9	29.30	9	9	9	9	9	9	9	9
1/4	1,806.55	1/4	1,448.16	1/4	1,089.83	1/4	731.87	1/4	373.49	1/4	24.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,799.09	1/2	1,440.69	1/2	1,082.38	1/2	724.41	1/2	366.02	1/2	19.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,791.62	3/4	1,433.22	3/4	1,074.93	3/4	716.94	3/4	358.55	3/4	15.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,784.15	10	1,425.76	10	1,067.48	10	709.47	10	351.09	10	=====	10	10	10	10	10	10	10	10
1/4	1,776.69	1/4	1,418.29	1/4	1,060.02	1/4	702.01	1/4	343.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,769.22	1/2	1,410.82	1/2	1,052.57	1/2	694.54	1/2	336.15	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,761.75	3/4	1,403.36	3/4	1,045.12	3/4	687.08	3/4	328.69	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,754.29	11	1,395.89	11	1,037.67	11	679.61	11	321.22	11		11	11	11	11	11	11	11	11
1/4	1,746.82	1/4	1,388.42	1/4	1,030.22	1/4	672.14	1/4	313.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,739.35	1/2	1,380.96	1/2	1,022.76	1/2	664.68	1/2	306.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,731.89	3/4	1,373.49	3/4	1,015.31	3/4	657.21	3/4	298.82	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: 08/12/2019 CL
CALCULATED: 08/13/2019 CL
RENAMED: 06/15/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023