



BARGE "CTC 29136"

INNAGE (HERMETIC)

FORMERLY "E2MS 306"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

October 17, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

1 PORT INNAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.30	0	303.97	0	653.81	0	1,010.44	0	1,368.23	0	1,726.71	0	2,085.20	0	2,443.68	0	2,802.11	0	3,160.49
1/4	18.35	1/4	310.86	1/4	661.28	1/4	1,017.85	1/4	1,375.70	1/4	1,734.18	1/4	2,092.67	1/4	2,451.15	1/4	2,809.57	1/4	3,167.95
1/2	21.40	1/2	317.76	1/2	668.75	1/2	1,025.26	1/2	1,383.17	1/2	1,741.65	1/2	2,100.13	1/2	2,458.62	1/2	2,817.04	1/2	3,175.42
3/4	24.44	3/4	324.66	3/4	676.22	3/4	1,032.67	3/4	1,390.64	3/4	1,749.12	3/4	2,107.60	3/4	2,466.09	3/4	2,824.50	3/4	3,182.89
1	27.49	1	331.56	1	683.68	1	1,040.07	1	1,398.11	1	1,756.59	1	2,115.07	1	2,473.55	1	2,831.97	1	3,190.35
1/4	32.49	1/4	338.55	1/4	691.15	1/4	1,047.49	1/4	1,405.57	1/4	1,764.06	1/4	2,122.54	1/4	2,481.02	1/4	2,839.44	1/4	3,197.82
1/2	37.49	1/2	345.53	1/2	698.62	1/2	1,054.91	1/2	1,413.04	1/2	1,771.53	1/2	2,130.01	1/2	2,488.49	1/2	2,846.90	1/2	3,205.29
3/4	42.49	3/4	352.52	3/4	706.09	3/4	1,062.33	3/4	1,420.51	3/4	1,778.99	3/4	2,137.48	3/4	2,495.96	3/4	2,854.37	3/4	3,212.75
2	47.49	2	359.51	2	713.56	2	1,069.75	2	1,427.98	2	1,786.46	2	2,144.95	2	2,503.43	2	2,861.84	2	3,220.22
1/4	53.47	1/4	366.58	1/4	721.03	1/4	1,077.18	1/4	1,435.45	1/4	1,793.93	1/4	2,152.41	1/4	2,510.90	1/4	2,869.30	1/4	3,227.68
1/2	59.46	1/2	373.65	1/2	728.49	1/2	1,084.62	1/2	1,442.92	1/2	1,801.40	1/2	2,159.88	1/2	2,518.37	1/2	2,876.77	1/2	3,235.15
3/4	65.45	3/4	380.73	3/4	735.96	3/4	1,092.06	3/4	1,450.38	3/4	1,808.87	3/4	2,167.35	3/4	2,525.83	3/4	2,884.24	3/4	3,242.62
3	71.43	3	387.80	3	743.43	3	1,099.50	3	1,457.85	3	1,816.34	3	2,174.82	3	2,533.30	3	2,891.70	3	3,250.08
1/4	77.53	1/4	394.96	1/4	750.90	1/4	1,106.93	1/4	1,465.32	1/4	1,823.80	1/4	2,182.29	1/4	2,540.77	1/4	2,899.17	1/4	3,257.55
1/2	83.63	1/2	402.13	1/2	758.37	1/2	1,114.37	1/2	1,472.79	1/2	1,831.27	1/2	2,189.76	1/2	2,548.24	1/2	2,906.63	1/2	3,265.02
3/4	89.73	3/4	409.29	3/4	765.84	3/4	1,121.81	3/4	1,480.26	3/4	1,838.74	3/4	2,197.22	3/4	2,555.71	3/4	2,914.10	3/4	3,272.48
4	95.83	4	416.45	4	773.30	4	1,129.24	4	1,487.73	4	1,846.21	4	2,204.69	4	2,563.18	4	2,921.57	4	3,279.95
1/4	102.03	1/4	423.70	1/4	780.72	1/4	1,136.71	1/4	1,495.19	1/4	1,853.68	1/4	2,212.16	1/4	2,570.64	1/4	2,929.03	1/4	3,287.42
1/2	108.22	1/2	430.95	1/2	788.14	1/2	1,144.18	1/2	1,502.66	1/2	1,861.15	1/2	2,219.63	1/2	2,578.11	1/2	2,936.50	1/2	3,294.88
3/4	114.42	3/4	438.20	3/4	795.56	3/4	1,151.65	3/4	1,510.13	3/4	1,868.61	3/4	2,227.10	3/4	2,585.58	3/4	2,943.97	3/4	3,302.35
5	120.62	5	445.45	5	802.97	5	1,159.12	5	1,517.60	5	1,876.08	5	2,234.57	5	2,593.05	5	2,951.43	5	3,309.81
1/4	126.90	1/4	452.78	1/4	810.38	1/4	1,166.58	1/4	1,525.07	1/4	1,883.55	1/4	2,242.03	1/4	2,600.52	1/4	2,958.90	1/4	3,317.28
1/2	133.19	1/2	460.12	1/2	817.79	1/2	1,174.05	1/2	1,532.54	1/2	1,891.02	1/2	2,249.50	1/2	2,607.98	1/2	2,966.36	1/2	3,324.75
3/4	139.47	3/4	467.46	3/4	825.20	3/4	1,181.52	3/4	1,540.00	3/4	1,898.49	3/4	2,256.97	3/4	2,615.45	3/4	2,973.83	3/4	3,332.21
6	145.76	6	474.79	6	832.61	6	1,188.99	6	1,547.47	6	1,905.96	6	2,264.44	6	2,622.91	6	2,981.30	6	3,339.68
1/4	152.13	1/4	482.22	1/4	840.02	1/4	1,196.46	1/4	1,554.94	1/4	1,913.42	1/4	2,271.91	1/4	2,630.38	1/4	2,988.76	1/4	3,347.15
1/2	158.50	1/2	489.64	1/2	847.43	1/2	1,203.93	1/2	1,562.41	1/2	1,920.89	1/2	2,279.38	1/2	2,637.85	1/2	2,996.23	1/2	3,354.61
3/4	164.88	3/4	497.07	3/4	854.84	3/4	1,211.40	3/4	1,569.88	3/4	1,928.36	3/4	2,286.84	3/4	2,645.31	3/4	3,003.70	3/4	3,362.08
7	171.25	7	504.49	7	862.25	7	1,218.86	7	1,577.35	7	1,935.83	7	2,294.31	7	2,652.78	7	3,011.16	7	3,369.54
1/4	177.71	1/4	511.96	1/4	869.66	1/4	1,226.33	1/4	1,584.82	1/4	1,943.30	1/4	2,301.78	1/4	2,660.25	1/4	3,018.63	1/4	3,377.01
1/2	184.17	1/2	519.43	1/2	877.07	1/2	1,233.80	1/2	1,592.28	1/2	1,950.77	1/2	2,309.25	1/2	2,667.71	1/2	3,026.09	1/2	3,384.48
3/4	190.63	3/4	526.90	3/4	884.48	3/4	1,241.27	3/4	1,599.75	3/4	1,958.24	3/4	2,316.72	3/4	2,675.18	3/4	3,033.56	3/4	3,391.94
8	197.09	8	534.36	8	891.89	8	1,248.74	8	1,607.22	8	1,965.70	8	2,324.19	8	2,682.64	8	3,041.03	8	3,399.41
1/4	203.64	1/4	541.83	1/4	899.30	1/4	1,256.21	1/4	1,614.69	1/4	1,973.17	1/4	2,331.66	1/4	2,690.11	1/4	3,048.49	1/4	3,406.88
1/2	210.19	1/2	549.29	1/2	906.71	1/2	1,263.67	1/2	1,622.16	1/2	1,980.64	1/2	2,339.12	1/2	2,697.58	1/2	3,055.96	1/2	3,414.34
3/4	216.74	3/4	556.75	3/4	914.12	3/4	1,271.14	3/4	1,629.63	3/4	1,988.11	3/4	2,346.59	3/4	2,705.04	3/4	3,063.43	3/4	3,421.81
9	223.28	9	564.22	9	921.52	9	1,278.61	9	1,637.09	9	1,995.58	9	2,354.06	9	2,712.51	9	3,070.89	9	3,429.27
1/4	229.92	1/4	571.68	1/4	928.93	1/4	1,286.08	1/4	1,644.56	1/4	2,003.05	1/4	2,361.53	1/4	2,719.98	1/4	3,078.36	1/4	3,436.74
1/2	236.56	1/2	579.14	1/2	936.34	1/2	1,293.55	1/2	1,652.03	1/2	2,010.51	1/2	2,369.00	1/2	2,727.44	1/2	3,085.83	1/2	3,444.21
3/4	243.19	3/4	586.60	3/4	943.75	3/4	1,301.02	3/4	1,659.50	3/4	2,017.98	3/4	2,376.47	3/4	2,734.91	3/4	3,093.29	3/4	3,451.67
10	249.83	10	594.07	10	951.16	10	1,308.48	10	1,666.97	10	2,025.45	10	2,383.93	10	2,742.38	10	3,100.76	10	3,459.14
1/4	256.55	1/4	601.53	1/4	958.57	1/4	1,315.95	1/4	1,674.44	1/4	2,032.92	1/4	2,391.40	1/4	2,749.84	1/4	3,108.22	1/4	3,466.61
1/2	263.27	1/2	609.00	1/2	965.98	1/2	1,323.42	1/2	1,681.90	1/2	2,040.39	1/2	2,398.87	1/2	2,757.31	1/2	3,115.69	1/2	3,474.07
3/4	270.00	3/4	616.47	3/4	973.39	3/4	1,330.89	3/4	1,689.37	3/4	2,047.86	3/4	2,406.34	3/4	2,764.77	3/4	3,123.16	3/4	3,481.54
11	276.72	11	623.94	11	980.80	11	1,338.36	11	1,696.84	11	2,055.32	11	2,413.81	11	2,772.24	11	3,130.62	11	3,489.01
1/4	283.53	1/4	631.41	1/4	988.21	1/4	1,345.83	1/4	1,704.31	1/4	2,062.79	1/4	2,421.28	1/4	2,779.71	1/4	3,138.09	1/4	3,496.47
1/2	290.34	1/2	638.88	1/2	995.62	1/2	1,353.29	1/2	1,711.78	1/2	2,070.26	1/2	2,428.74	1/2	2,787.17	1/2	3,145.56	1/2	3,503.94
3/4	297.15	3/4	646.34	3/4	1,003.03	3/4	1,360.76	3/4	1,719.25	3/4	2,077.73	3/4	2,436.21	3/4	2,794.64	3/4	3,153.02	3/4	3,511.40

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

1 PORT INNAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,518.87	0	3,877.25	0	4,234.94	0	4,592.27	0	4,947.79	0		0		0		0		0	
1/4	3,526.34	1/4	3,884.72	1/4	4,242.38	1/4	4,599.72	1/4	4,955.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,533.80	1/2	3,892.19	1/2	4,249.83	1/2	4,607.16	1/2	4,962.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,541.27	3/4	3,899.65	3/4	4,257.27	3/4	4,614.61	3/4	4,969.70	3/4		3/4		3/4		3/4		3/4	
1	3,548.74	1	3,907.12	1	4,264.72	1	4,622.05	1	4,977.00	1		1		1		1		1	
1/4	3,556.20	1/4	3,914.58	1/4	4,272.16	1/4	4,629.50	1/4	4,983.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.67	1/2	3,922.05	1/2	4,279.60	1/2	4,636.94	1/2	4,989.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,571.13	3/4	3,929.52	3/4	4,287.05	3/4	4,644.39	3/4	4,996.32	3/4		3/4		3/4		3/4		3/4	
2	3,578.60	2	3,936.98	2	4,294.49	2	4,651.83	2	5,002.76	2		2		2		2		2	
1/4	3,586.07	1/4	3,944.45	1/4	4,301.94	1/4	4,659.27	1/4	5,007.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.53	1/2	3,951.92	1/2	4,309.38	1/2	4,666.72	1/2	5,013.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,601.00	3/4	3,959.38	3/4	4,316.83	3/4	4,674.16	3/4	5,018.34	3/4		3/4		3/4		3/4		3/4	
3	3,608.47	3	3,966.85	3	4,324.27	3	4,681.61	3	5,023.54	3		3		3		3		3	
1/4	3,615.93	1/4	3,974.31	1/4	4,331.72	1/4	4,689.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,623.40	1/2	3,981.78	1/2	4,339.16	1/2	4,696.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,630.87	3/4	3,989.25	3/4	4,346.61	3/4	4,703.94	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,638.33	4	3,996.71	4	4,354.05	4	4,711.39	4		4		4		4		4		4	
1/4	3,645.80	1/4	4,004.16	1/4	4,361.49	1/4	4,718.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,653.26	1/2	4,011.60	1/2	4,368.94	1/2	4,726.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.73	3/4	4,019.05	3/4	4,376.38	3/4	4,733.72	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,668.20	5	4,026.49	5	4,383.83	5	4,741.16	5		5		5		5		5		5	
1/4	3,675.66	1/4	4,033.94	1/4	4,391.27	1/4	4,748.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.13	1/2	4,041.38	1/2	4,398.72	1/2	4,756.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.60	3/4	4,048.83	3/4	4,406.16	3/4	4,763.50	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,698.06	6	4,056.27	6	4,413.61	6	4,770.94	6		6		6		6		6		6	
1/4	3,705.53	1/4	4,063.71	1/4	4,421.05	1/4	4,778.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,712.99	1/2	4,071.16	1/2	4,428.49	1/2	4,785.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,720.46	3/4	4,078.60	3/4	4,435.94	3/4	4,793.05	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,727.93	7	4,086.05	7	4,443.38	7	4,800.43	7		7		7		7		7		7	
1/4	3,735.39	1/4	4,093.49	1/4	4,450.83	1/4	4,807.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,742.86	1/2	4,100.94	1/2	4,458.27	1/2	4,815.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,750.33	3/4	4,108.38	3/4	4,465.72	3/4	4,822.54	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,757.79	8	4,115.83	8	4,473.16	8	4,829.91	8		8		8		8		8		8	
1/4	3,765.26	1/4	4,123.27	1/4	4,480.61	1/4	4,837.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.72	1/2	4,130.71	1/2	4,488.05	1/2	4,844.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.19	3/4	4,138.16	3/4	4,495.50	3/4	4,852.02	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,787.66	9	4,145.60	9	4,502.94	9	4,859.39	9		9		9		9		9		9	
1/4	3,795.12	1/4	4,153.05	1/4	4,510.38	1/4	4,866.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.59	1/2	4,160.49	1/2	4,517.83	1/2	4,874.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,810.06	3/4	4,167.94	3/4	4,525.27	3/4	4,881.51	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,817.52	10	4,175.38	10	4,532.72	10	4,888.89	10		10		10		10		10		10	
1/4	3,824.99	1/4	4,182.83	1/4	4,540.16	1/4	4,896.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,832.46	1/2	4,190.27	1/2	4,547.61	1/2	4,903.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,839.92	3/4	4,197.72	3/4	4,555.05	3/4	4,910.99	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,847.39	11	4,205.16	11	4,562.50	11	4,918.36	11		11		11		11		11		11	
1/4	3,854.85	1/4	4,212.60	1/4	4,569.94	1/4	4,925.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.32	1/2	4,220.05	1/2	4,577.38	1/2	4,933.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,869.79	3/4	4,227.49	3/4	4,584.83	3/4	4,940.44	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29136"

1 STBD INNAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.29	0	303.72	0	653.35	0	1,011.17	0	1,369.29	0	1,727.51	0	2,085.73	0	2,443.95	0	2,802.11	0	3,160.23
1/4	18.33	1/4	310.61	1/4	660.81	1/4	1,018.62	1/4	1,376.75	1/4	1,734.97	1/4	2,093.19	1/4	2,451.41	1/4	2,809.57	1/4	3,167.69
1/2	21.38	1/2	317.51	1/2	668.28	1/2	1,026.07	1/2	1,384.22	1/2	1,742.44	1/2	2,100.65	1/2	2,458.87	1/2	2,817.03	1/2	3,175.15
3/4	24.42	3/4	324.40	3/4	675.74	3/4	1,033.52	3/4	1,391.68	3/4	1,749.90	3/4	2,108.12	3/4	2,466.34	3/4	2,824.49	3/4	3,182.61
1	27.47	1	331.29	1	683.20	1	1,040.97	1	1,399.14	1	1,757.36	1	2,115.58	1	2,473.80	1	2,831.95	1	3,190.07
1/4	32.46	1/4	338.27	1/4	690.67	1/4	1,048.43	1/4	1,406.60	1/4	1,764.82	1/4	2,123.04	1/4	2,481.26	1/4	2,839.41	1/4	3,197.53
1/2	37.46	1/2	345.25	1/2	698.13	1/2	1,055.88	1/2	1,414.07	1/2	1,772.29	1/2	2,130.51	1/2	2,488.73	1/2	2,846.87	1/2	3,204.99
3/4	42.45	3/4	352.24	3/4	705.59	3/4	1,063.34	3/4	1,421.53	3/4	1,779.75	3/4	2,137.97	3/4	2,496.19	3/4	2,854.33	3/4	3,212.45
2	47.45	2	359.22	2	713.06	2	1,070.80	2	1,428.99	2	1,787.21	2	2,145.43	2	2,503.65	2	2,861.79	2	3,219.91
1/4	53.43	1/4	366.29	1/4	720.52	1/4	1,078.25	1/4	1,436.46	1/4	1,794.68	1/4	2,152.89	1/4	2,511.11	1/4	2,869.26	1/4	3,227.37
1/2	59.41	1/2	373.35	1/2	727.98	1/2	1,085.71	1/2	1,443.92	1/2	1,802.14	1/2	2,160.36	1/2	2,518.58	1/2	2,876.72	1/2	3,234.83
3/4	65.39	3/4	380.42	3/4	735.44	3/4	1,093.17	3/4	1,451.38	3/4	1,809.60	3/4	2,167.82	3/4	2,526.04	3/4	2,884.18	3/4	3,242.30
3	71.37	3	387.49	3	742.91	3	1,100.63	3	1,458.85	3	1,817.06	3	2,175.28	3	2,533.50	3	2,891.64	3	3,249.76
1/4	77.47	1/4	394.65	1/4	750.37	1/4	1,108.09	1/4	1,466.31	1/4	1,824.53	1/4	2,182.75	1/4	2,540.97	1/4	2,899.10	1/4	3,257.22
1/2	83.56	1/2	401.80	1/2	757.83	1/2	1,115.55	1/2	1,473.77	1/2	1,831.99	1/2	2,190.21	1/2	2,548.43	1/2	2,906.56	1/2	3,264.68
3/4	89.65	3/4	408.96	3/4	765.30	3/4	1,123.01	3/4	1,481.23	3/4	1,839.45	3/4	2,197.67	3/4	2,555.89	3/4	2,914.02	3/4	3,272.14
4	95.75	4	416.12	4	772.76	4	1,130.48	4	1,488.70	4	1,846.92	4	2,205.14	4	2,563.35	4	2,921.48	4	3,279.60
1/4	101.94	1/4	423.36	1/4	780.22	1/4	1,137.94	1/4	1,496.16	1/4	1,854.38	1/4	2,212.60	1/4	2,570.82	1/4	2,928.94	1/4	3,287.06
1/2	108.13	1/2	430.60	1/2	787.68	1/2	1,145.40	1/2	1,503.62	1/2	1,861.84	1/2	2,220.06	1/2	2,578.28	1/2	2,936.40	1/2	3,294.52
3/4	114.32	3/4	437.85	3/4	795.15	3/4	1,152.87	3/4	1,511.09	3/4	1,869.30	3/4	2,227.52	3/4	2,585.74	3/4	2,943.86	3/4	3,301.98
5	120.51	5	445.09	5	802.61	5	1,160.33	5	1,518.55	5	1,876.77	5	2,234.99	5	2,593.21	5	2,951.32	5	3,309.44
1/4	126.79	1/4	452.42	1/4	810.06	1/4	1,167.79	1/4	1,526.01	1/4	1,884.23	1/4	2,242.45	1/4	2,600.67	1/4	2,958.79	1/4	3,316.90
1/2	133.07	1/2	459.75	1/2	817.51	1/2	1,175.26	1/2	1,533.47	1/2	1,891.69	1/2	2,249.91	1/2	2,608.13	1/2	2,966.25	1/2	3,324.36
3/4	139.35	3/4	467.09	3/4	824.96	3/4	1,182.72	3/4	1,540.94	3/4	1,899.16	3/4	2,257.38	3/4	2,615.59	3/4	2,973.71	3/4	3,331.83
6	145.64	6	474.42	6	832.40	6	1,190.18	6	1,548.40	6	1,906.62	6	2,264.84	6	2,623.05	6	2,981.17	6	3,339.29
1/4	152.00	1/4	481.84	1/4	839.85	1/4	1,197.64	1/4	1,555.86	1/4	1,914.08	1/4	2,272.30	1/4	2,630.51	1/4	2,988.63	1/4	3,346.75
1/2	158.37	1/2	489.26	1/2	847.30	1/2	1,205.11	1/2	1,563.33	1/2	1,921.55	1/2	2,279.76	1/2	2,637.97	1/2	2,996.09	1/2	3,354.21
3/4	164.74	3/4	496.68	3/4	854.75	3/4	1,212.57	3/4	1,570.79	3/4	1,929.01	3/4	2,287.23	3/4	2,645.43	3/4	3,003.55	3/4	3,361.67
7	171.11	7	504.09	7	862.20	7	1,220.03	7	1,578.25	7	1,936.47	7	2,294.69	7	2,652.89	7	3,011.01	7	3,369.13
1/4	177.56	1/4	511.56	1/4	869.65	1/4	1,227.50	1/4	1,585.71	1/4	1,943.93	1/4	2,302.15	1/4	2,660.35	1/4	3,018.47	1/4	3,376.59
1/2	184.02	1/2	519.02	1/2	877.10	1/2	1,234.96	1/2	1,593.18	1/2	1,951.40	1/2	2,309.62	1/2	2,667.81	1/2	3,025.93	1/2	3,384.05
3/4	190.47	3/4	526.48	3/4	884.55	3/4	1,242.42	3/4	1,600.64	3/4	1,958.86	3/4	2,317.08	3/4	2,675.27	3/4	3,033.39	3/4	3,391.51
8	196.93	8	533.95	8	891.99	8	1,249.88	8	1,608.10	8	1,966.32	8	2,324.54	8	2,682.74	8	3,040.85	8	3,398.97
1/4	203.47	1/4	541.41	1/4	899.44	1/4	1,257.35	1/4	1,615.57	1/4	1,973.79	1/4	2,332.00	1/4	2,690.20	1/4	3,048.31	1/4	3,406.43
1/2	210.01	1/2	548.87	1/2	906.89	1/2	1,264.81	1/2	1,623.03	1/2	1,981.25	1/2	2,339.47	1/2	2,697.66	1/2	3,055.78	1/2	3,413.89
3/4	216.56	3/4	556.33	3/4	914.34	3/4	1,272.27	3/4	1,630.49	3/4	1,988.71	3/4	2,346.93	3/4	2,705.12	3/4	3,063.24	3/4	3,421.35
9	223.10	9	563.80	9	921.79	9	1,279.74	9	1,637.95	9	1,996.17	9	2,354.39	9	2,712.58	9	3,070.70	9	3,428.82
1/4	229.73	1/4	571.26	1/4	929.24	1/4	1,287.20	1/4	1,645.42	1/4	2,003.64	1/4	2,361.86	1/4	2,720.04	1/4	3,078.16	1/4	3,436.28
1/2	236.36	1/2	578.72	1/2	936.69	1/2	1,294.66	1/2	1,652.88	1/2	2,011.10	1/2	2,369.32	1/2	2,727.50	1/2	3,085.62	1/2	3,443.74
3/4	242.99	3/4	586.19	3/4	944.14	3/4	1,302.12	3/4	1,660.34	3/4	2,018.56	3/4	2,376.78	3/4	2,734.96	3/4	3,093.08	3/4	3,451.20
10	249.62	10	593.65	10	951.58	10	1,309.59	10	1,667.81	10	2,026.03	10	2,384.24	10	2,742.42	10	3,100.54	10	3,458.66
1/4	256.34	1/4	601.11	1/4	959.03	1/4	1,317.05	1/4	1,675.27	1/4	2,033.49	1/4	2,391.71	1/4	2,749.88	1/4	3,108.00	1/4	3,466.12
1/2	263.06	1/2	608.57	1/2	966.48	1/2	1,324.51	1/2	1,682.73	1/2	2,040.95	1/2	2,399.17	1/2	2,757.34	1/2	3,115.46	1/2	3,473.58
3/4	269.78	3/4	616.04	3/4	973.93	3/4	1,331.98	3/4	1,690.20	3/4	2,048.41	3/4	2,406.63	3/4	2,764.80	3/4	3,122.92	3/4	3,481.04
11	276.50	11	623.50	11	981.38	11	1,339.44	11	1,697.66	11	2,055.88	11	2,414.10	11	2,772.27	11	3,130.38	11	3,488.50
1/4	283.30	1/4	630.96	1/4	988.83	1/4	1,346.90	1/4	1,705.12	1/4	2,063.34	1/4	2,421.56	1/4	2,779.73	1/4	3,137.84	1/4	3,495.96
1/2	290.11	1/2	638.43	1/2	996.28	1/2	1,354.36	1/2	1,712.58	1/2	2,070.80	1/2	2,429.02	1/2	2,787.19	1/2	3,145.31	1/2	3,503.42
3/4	296.91	3/4	645.89	3/4	1,003.72	3/4	1,361.83	3/4	1,720.05	3/4	2,078.27	3/4	2,436.49	3/4	2,794.65	3/4	3,152.77	3/4	3,510.88

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

1 STBD
INNAGE TABLE

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

FORMERLY "CTC 306"

GAUGE HEIGHT 17'-04"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,518.35	0	3,876.46	0	4,233.88	0	4,590.95	0	4,946.21	0		0		0		0		0	
1/4	3,525.81	1/4	3,883.92	1/4	4,241.32	1/4	4,598.39	1/4	4,953.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,533.27	1/2	3,891.39	1/2	4,248.76	1/2	4,605.83	1/2	4,960.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,540.73	3/4	3,898.85	3/4	4,256.20	3/4	4,613.27	3/4	4,968.10	3/4		3/4		3/4		3/4		3/4	
1	3,548.19	1	3,906.31	1	4,263.64	1	4,620.70	1	4,975.39	1		1		1		1		1	
1/4	3,555.65	1/4	3,913.77	1/4	4,271.08	1/4	4,628.14	1/4	4,981.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.11	1/2	3,921.23	1/2	4,278.51	1/2	4,635.58	1/2	4,988.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.57	3/4	3,928.69	3/4	4,285.95	3/4	4,643.02	3/4	4,994.70	3/4		3/4		3/4		3/4		3/4	
2	3,578.03	2	3,936.15	2	4,293.39	2	4,650.46	2	5,001.13	2		2		2		2		2	
1/4	3,585.49	1/4	3,943.61	1/4	4,300.83	1/4	4,657.90	1/4	5,006.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,592.95	1/2	3,951.07	1/2	4,308.27	1/2	4,665.34	1/2	5,011.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,600.41	3/4	3,958.53	3/4	4,315.71	3/4	4,672.78	3/4	5,016.70	3/4		3/4		3/4		3/4		3/4	
3	3,607.87	3	3,965.99	3	4,323.15	3	4,680.22	3	5,021.89	3		3		3		3		3	
1/4	3,615.34	1/4	3,973.45	1/4	4,330.59	1/4	4,687.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,622.80	1/2	3,980.91	1/2	4,338.03	1/2	4,695.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,630.26	3/4	3,988.38	3/4	4,345.46	3/4	4,702.53	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,637.72	4	3,995.84	4	4,352.90	4	4,709.97	4	4	4		4		4		4		4	
1/4	3,645.18	1/4	4,003.28	1/4	4,360.34	1/4	4,717.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,652.64	1/2	4,010.71	1/2	4,367.78	1/2	4,724.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.10	3/4	4,018.15	3/4	4,375.22	3/4	4,732.29	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,667.56	5	4,025.59	5	4,382.66	5	4,739.73	5	5	5		5		5		5		5	
1/4	3,675.02	1/4	4,033.03	1/4	4,390.10	1/4	4,747.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.48	1/2	4,040.47	1/2	4,397.54	1/2	4,754.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,689.94	3/4	4,047.91	3/4	4,404.98	3/4	4,762.04	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,697.40	6	4,055.35	6	4,412.41	6	4,769.48	6	6	6		6		6		6		6	
1/4	3,704.87	1/4	4,062.79	1/4	4,419.85	1/4	4,776.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,712.33	1/2	4,070.23	1/2	4,427.29	1/2	4,784.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,719.79	3/4	4,077.66	3/4	4,434.73	3/4	4,791.58	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,727.25	7	4,085.10	7	4,442.17	7	4,798.95	7	7	7		7		7		7		7	
1/4	3,734.71	1/4	4,092.54	1/4	4,449.61	1/4	4,806.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,742.17	1/2	4,099.98	1/2	4,457.05	1/2	4,813.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,749.63	3/4	4,107.42	3/4	4,464.49	3/4	4,821.04	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,757.09	8	4,114.86	8	4,471.93	8	4,828.41	8	8	8		8		8		8		8	
1/4	3,764.55	1/4	4,122.30	1/4	4,479.36	1/4	4,835.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.01	1/2	4,129.74	1/2	4,486.80	1/2	4,843.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.47	3/4	4,137.18	3/4	4,494.24	3/4	4,850.51	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,786.93	9	4,144.61	9	4,501.68	9	4,857.87	9	9	9		9		9		9		9	
1/4	3,794.39	1/4	4,152.05	1/4	4,509.12	1/4	4,865.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,801.86	1/2	4,159.49	1/2	4,516.56	1/2	4,872.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.32	3/4	4,166.93	3/4	4,524.00	3/4	4,879.97	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,816.78	10	4,174.37	10	4,531.44	10	4,887.34	10	10	10		10		10		10		10	
1/4	3,824.24	1/4	4,181.81	1/4	4,538.88	1/4	4,894.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,831.70	1/2	4,189.25	1/2	4,546.31	1/2	4,902.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,839.16	3/4	4,196.69	3/4	4,553.75	3/4	4,909.43	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,846.62	11	4,204.13	11	4,561.19	11	4,916.79	11	11	11		11		11		11		11	
1/4	3,854.08	1/4	4,211.56	1/4	4,568.63	1/4	4,924.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,861.54	1/2	4,219.00	1/2	4,576.07	1/2	4,931.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,869.00	3/4	4,226.44	3/4	4,583.51	3/4	4,938.85	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29136"

2 PORT INNAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	15.35	0	359.69	0	719.21	0	1,069.00	0	1,423.77	0	1,783.29	0	2,142.82	0	2,502.34	0	2,861.87	0	3,221.39		
1/4	20.03	1/4	367.18	1/4	726.70	1/4	1,076.18	1/4	1,431.26	1/4	1,790.78	1/4	2,150.31	1/4	2,509.83	1/4	2,869.36	1/4	3,228.88		
1/2	24.71	1/2	374.67	1/2	734.19	1/2	1,083.36	1/2	1,438.75	1/2	1,798.27	1/2	2,157.80	1/2	2,517.32	1/2	2,876.85	1/2	3,236.37		
3/4	29.39	3/4	382.16	3/4	741.68	3/4	1,090.54	3/4	1,446.24	3/4	1,805.76	3/4	2,165.29	3/4	2,524.81	3/4	2,884.34	3/4	3,243.86		
1	34.07	1	389.65	1	749.17	1	1,097.73	1	1,453.73	1	1,813.25	1	2,172.78	1	2,532.30	1	2,891.83	1	3,251.35		
1/4	40.62	1/4	397.14	1/4	756.66	1/4	1,104.92	1/4	1,461.22	1/4	1,820.74	1/4	2,180.27	1/4	2,539.79	1/4	2,899.32	1/4	3,258.84		
1/2	47.18	1/2	404.63	1/2	764.15	1/2	1,112.11	1/2	1,468.71	1/2	1,828.23	1/2	2,187.76	1/2	2,547.28	1/2	2,906.81	1/2	3,266.33		
3/4	53.73	3/4	412.12	3/4	771.64	3/4	1,119.30	3/4	1,476.20	3/4	1,835.72	3/4	2,195.25	3/4	2,554.77	3/4	2,914.30	3/4	3,273.82		
2	60.28	2	419.61	2	779.14	2	1,126.49	2	1,483.69	2	1,843.21	2	2,202.74	2	2,562.26	2	2,921.79	2	3,281.31		
1/4	67.73	1/4	427.10	1/4	786.63	1/4	1,133.68	1/4	1,491.18	1/4	1,850.70	1/4	2,210.23	1/4	2,569.75	1/4	2,929.28	1/4	3,288.80		
1/2	75.19	1/2	434.59	1/2	794.12	1/2	1,140.87	1/2	1,498.67	1/2	1,858.19	1/2	2,217.72	1/2	2,577.24	1/2	2,936.77	1/2	3,296.29		
3/4	82.64	3/4	442.08	3/4	801.61	3/4	1,148.07	3/4	1,506.16	3/4	1,865.68	3/4	2,225.21	3/4	2,584.73	3/4	2,944.26	3/4	3,303.78		
3	90.09	3	449.57	3	809.10	3	1,155.26	3	1,513.65	3	1,873.17	3	2,232.70	3	2,592.22	3	2,951.75	3	3,311.27		
1/4	97.57	1/4	457.06	1/4	816.59	1/4	1,162.46	1/4	1,521.14	1/4	1,880.66	1/4	2,240.19	1/4	2,599.71	1/4	2,959.24	1/4	3,318.76		
1/2	105.05	1/2	464.55	1/2	824.08	1/2	1,169.67	1/2	1,528.63	1/2	1,888.15	1/2	2,247.68	1/2	2,607.20	1/2	2,966.73	1/2	3,326.25		
3/4	112.53	3/4	472.04	3/4	831.57	3/4	1,176.88	3/4	1,536.12	3/4	1,895.64	3/4	2,255.17	3/4	2,614.69	3/4	2,974.22	3/4	3,333.74		
4	120.01	4	479.53	4	839.06	4	1,184.08	4	1,543.61	4	1,903.13	4	2,262.66	4	2,622.18	4	2,981.71	4	3,341.23		
1/4	127.50	1/4	487.02	1/4	846.26	1/4	1,191.57	1/4	1,551.10	1/4	1,910.62	1/4	2,270.15	1/4	2,629.67	1/4	2,989.20	1/4	3,348.72		
1/2	134.99	1/2	494.51	1/2	853.47	1/2	1,199.06	1/2	1,558.59	1/2	1,918.11	1/2	2,277.64	1/2	2,637.16	1/2	2,996.69	1/2	3,356.21		
3/4	142.48	3/4	502.00	3/4	860.67	3/4	1,206.55	3/4	1,566.08	3/4	1,925.60	3/4	2,285.13	3/4	2,644.65	3/4	3,004.18	3/4	3,363.70		
5	149.97	5	509.49	5	867.88	5	1,214.04	5	1,573.57	5	1,933.09	5	2,292.62	5	2,652.14	5	3,011.67	5	3,371.19		
1/4	157.46	1/4	516.98	1/4	875.06	1/4	1,221.53	1/4	1,581.06	1/4	1,940.58	1/4	2,300.11	1/4	2,659.63	1/4	3,019.16	1/4	3,378.68		
1/2	164.95	1/2	524.47	1/2	882.25	1/2	1,229.02	1/2	1,588.55	1/2	1,948.07	1/2	2,307.60	1/2	2,667.12	1/2	3,026.65	1/2	3,386.17		
3/4	172.44	3/4	531.96	3/4	889.43	3/4	1,236.52	3/4	1,596.04	3/4	1,955.56	3/4	2,315.09	3/4	2,674.61	3/4	3,034.14	3/4	3,393.66		
6	179.93	6	539.45	6	896.61	6	1,244.01	6	1,603.53	6	1,963.05	6	2,322.58	6	2,682.10	6	3,041.63	6	3,401.15		
1/4	187.42	1/4	546.94	1/4	903.79	1/4	1,251.50	1/4	1,611.02	1/4	1,970.54	1/4	2,330.07	1/4	2,689.59	1/4	3,049.12	1/4	3,408.64		
1/2	194.91	1/2	554.43	1/2	910.98	1/2	1,258.99	1/2	1,618.51	1/2	1,978.03	1/2	2,337.56	1/2	2,697.08	1/2	3,056.61	1/2	3,416.13		
3/4	202.40	3/4	561.92	3/4	918.16	3/4	1,266.48	3/4	1,626.00	3/4	1,985.53	3/4	2,345.05	3/4	2,704.57	3/4	3,064.10	3/4	3,423.62		
7	209.89	7	569.41	7	925.34	7	1,273.97	7	1,633.49	7	1,993.02	7	2,352.54	7	2,712.06	7	3,071.59	7	3,431.11		
1/4	217.38	1/4	576.90	1/4	932.52	1/4	1,281.46	1/4	1,640.98	1/4	2,000.51	1/4	2,360.03	1/4	2,719.55	1/4	3,079.08	1/4	3,438.60		
1/2	224.87	1/2	584.39	1/2	939.71	1/2	1,288.95	1/2	1,648.47	1/2	2,008.00	1/2	2,367.52	1/2	2,727.04	1/2	3,086.57	1/2	3,446.09		
3/4	232.36	3/4	591.88	3/4	946.89	3/4	1,296.44	3/4	1,655.96	3/4	2,015.49	3/4	2,375.01	3/4	2,734.54	3/4	3,094.06	3/4	3,453.58		
8	239.85	8	599.37	8	954.07	8	1,303.93	8	1,663.45	8	2,022.98	8	2,382.50	8	2,742.03	8	3,101.55	8	3,461.07		
1/4	247.34	1/4	606.86	1/4	961.26	1/4	1,311.42	1/4	1,670.94	1/4	2,030.47	1/4	2,389.99	1/4	2,749.52	1/4	3,109.04	1/4	3,468.56		
1/2	254.83	1/2	614.35	1/2	968.44	1/2	1,318.91	1/2	1,678.43	1/2	2,037.96	1/2	2,397.48	1/2	2,757.01	1/2	3,116.53	1/2	3,476.05		
3/4	262.32	3/4	621.84	3/4	975.62	3/4	1,326.40	3/4	1,685.92	3/4	2,045.45	3/4	2,404.97	3/4	2,764.50	3/4	3,124.02	3/4	3,483.54		
9	269.81	9	629.33	9	982.80	9	1,333.89	9	1,693.41	9	2,052.94	9	2,412.46	9	2,771.99	9	3,131.51	9	3,491.04		
1/4	277.30	1/4	636.82	1/4	989.99	1/4	1,341.38	1/4	1,700.90	1/4	2,060.43	1/4	2,419.95	1/4	2,779.48	1/4	3,139.00	1/4	3,498.53		
1/2	284.79	1/2	644.31	1/2	997.17	1/2	1,348.87	1/2	1,708.39	1/2	2,067.92	1/2	2,427.44	1/2	2,786.97	1/2	3,146.49	1/2	3,506.02		
3/4	292.28	3/4	651.80	3/4	1,004.35	3/4	1,356.36	3/4	1,715.88	3/4	2,075.41	3/4	2,434.93	3/4	2,794.46	3/4	3,153.98	3/4	3,513.51		
10	299.77	10	659.29	10	1,011.53	10	1,363.85	10	1,723.37	10	2,082.90	10	2,442.42	10	2,801.95	10	3,161.47	10	3,521.00		
1/4	307.26	1/4	666.78	1/4	1,018.72	1/4	1,371.34	1/4	1,730.86	1/4	2,090.39	1/4	2,449.91	1/4	2,809.44	1/4	3,168.96	1/4	3,528.49		
1/2	314.75	1/2	674.27	1/2	1,025.90	1/2	1,378.83	1/2	1,738.35	1/2	2,097.88	1/2	2,457.40	1/2	2,816.93	1/2	3,176.45	1/2	3,535.98		
3/4	322.24	3/4	681.76	3/4	1,033.08	3/4	1,386.32	3/4	1,745.84	3/4	2,105.37	3/4	2,464.89	3/4	2,824.42	3/4	3,183.94	3/4	3,543.47		
11	329.73	11	689.25	11	1,040.27	11	1,393.81	11	1,753.33	11	2,112.86	11	2,472.38	11	2,831.91	11	3,191.43	11	3,550.96		
1/4	337.22	1/4	696.74	1/4	1,047.45	1/4	1,401.30	1/4	1,760.82	1/4	2,120.35	1/4	2,479.87	1/4	2,839.40	1/4	3,198.92	1/4	3,558.45		
1/2	344.71	1/2	704.23	1/2	1,054.63	1/2	1,408.79	1/2	1,768.31	1/2	2,127.84	1/2	2,487.36	1/2	2,846.89	1/2	3,206.41	1/2	3,565.94		
3/4	352.20	3/4	711.72	3/4	1,061.81	3/4	1,416.28	3/4	1,775.80	3/4	2,135.33	3/4	2,494.85	3/4	2,854.38	3/4	3,213.90	3/4	3,573.43		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

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



BARGE "CTC 29136"

2 PORT INNAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-04"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,580.92	0	3,940.44	0	4,299.26	0	4,657.73	0	5,014.54	0		0		0		0		0	
1/4	3,588.41	1/4	3,947.93	1/4	4,306.73	1/4	4,665.20	1/4	5,021.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,595.90	1/2	3,955.42	1/2	4,314.20	1/2	4,672.67	1/2	5,029.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,603.39	3/4	3,962.91	3/4	4,321.67	3/4	4,680.14	3/4	5,036.53	3/4		3/4		3/4		3/4		3/4	
1	3,610.88	1	3,970.40	1	4,329.13	1	4,687.60	1	5,043.87	1		1		1		1		1	
1/4	3,618.37	1/4	3,977.89	1/4	4,336.60	1/4	4,695.07	1/4	5,050.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,625.86	1/2	3,985.38	1/2	4,344.07	1/2	4,702.54	1/2	5,056.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,633.35	3/4	3,992.87	3/4	4,351.54	3/4	4,710.01	3/4	5,063.26	3/4		3/4		3/4		3/4		3/4	
2	3,640.84	2	4,000.36	2	4,359.01	2	4,717.48	2	5,069.73	2		2		2		2		2	
1/4	3,648.33	1/4	4,007.85	1/4	4,366.47	1/4	4,724.94	1/4	5,074.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,655.82	1/2	4,015.34	1/2	4,373.94	1/2	4,732.41	1/2	5,080.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,663.31	3/4	4,022.83	3/4	4,381.41	3/4	4,739.88	3/4	5,085.38	3/4		3/4		3/4		3/4		3/4	
3	3,670.80	3	4,030.32	3	4,388.88	3	4,747.35	3	5,090.60	3		3		3		3		3	
1/4	3,678.29	1/4	4,037.81	1/4	4,396.35	1/4	4,754.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,685.78	1/2	4,045.30	1/2	4,403.82	1/2	4,762.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.27	3/4	4,052.79	3/4	4,411.28	3/4	4,769.75	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,700.76	4	4,060.28	4	4,418.75	4	4,777.22	4	4	4		4		4		4		4	
1/4	3,708.25	1/4	4,067.75	1/4	4,426.22	1/4	4,784.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.74	1/2	4,075.22	1/2	4,433.69	1/2	4,792.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.23	3/4	4,082.69	3/4	4,441.16	3/4	4,799.62	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,730.72	5	4,090.16	5	4,448.62	5	4,807.09	5	5	5		5		5		5		5	
1/4	3,738.21	1/4	4,097.62	1/4	4,456.09	1/4	4,814.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.70	1/2	4,105.09	1/2	4,463.56	1/2	4,822.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,753.19	3/4	4,112.56	3/4	4,471.03	3/4	4,829.50	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,760.68	6	4,120.03	6	4,478.50	6	4,836.97	6	6	6		6		6		6		6	
1/4	3,768.17	1/4	4,127.50	1/4	4,485.96	1/4	4,844.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,775.66	1/2	4,134.96	1/2	4,493.43	1/2	4,851.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.15	3/4	4,142.43	3/4	4,500.90	3/4	4,859.17	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,790.64	7	4,149.90	7	4,508.37	7	4,866.57	7	7	7		7		7		7		7	
1/4	3,798.13	1/4	4,157.37	1/4	4,515.84	1/4	4,873.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,805.62	1/2	4,164.84	1/2	4,523.30	1/2	4,881.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,813.11	3/4	4,172.30	3/4	4,530.77	3/4	4,888.78	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,820.60	8	4,179.77	8	4,538.24	8	4,896.18	8	8	8		8		8		8		8	
1/4	3,828.09	1/4	4,187.24	1/4	4,545.71	1/4	4,903.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.58	1/2	4,194.71	1/2	4,553.18	1/2	4,910.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,843.07	3/4	4,202.18	3/4	4,560.65	3/4	4,918.39	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,850.56	9	4,209.64	9	4,568.11	9	4,925.79	9	9	9		9		9		9		9	
1/4	3,858.05	1/4	4,217.11	1/4	4,575.58	1/4	4,933.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,865.54	1/2	4,224.58	1/2	4,583.05	1/2	4,940.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,873.03	3/4	4,232.05	3/4	4,590.52	3/4	4,948.00	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,880.52	10	4,239.52	10	4,597.99	10	4,955.40	10	10	10		10		10		10		10	
1/4	3,888.01	1/4	4,246.99	1/4	4,605.45	1/4	4,962.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,895.50	1/2	4,254.45	1/2	4,612.92	1/2	4,970.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,902.99	3/4	4,261.92	3/4	4,620.39	3/4	4,977.59	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,910.48	11	4,269.39	11	4,627.86	11	4,984.99	11	11	11		11		11		11		11	
1/4	3,917.97	1/4	4,276.86	1/4	4,635.33	1/4	4,992.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,925.46	1/2	4,284.33	1/2	4,642.79	1/2	4,999.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,932.95	3/4	4,291.79	3/4	4,650.26	3/4	5,007.15	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

2 STBD INNAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.35	0	359.69	0	719.22	0	1,078.34	0	1,437.76	0	1,797.28	0	2,156.81	0	2,516.33	0	2,875.79	0	3,235.21
1/4	20.03	1/4	367.18	1/4	726.71	1/4	1,085.81	1/4	1,445.25	1/4	1,804.77	1/4	2,164.30	1/4	2,523.82	1/4	2,883.28	1/4	3,242.70
1/2	24.71	1/2	374.67	1/2	734.20	1/2	1,093.29	1/2	1,452.74	1/2	1,812.26	1/2	2,171.79	1/2	2,531.31	1/2	2,890.77	1/2	3,250.18
3/4	29.39	3/4	382.16	3/4	741.69	3/4	1,100.76	3/4	1,460.23	3/4	1,819.75	3/4	2,179.28	3/4	2,538.80	3/4	2,898.26	3/4	3,257.67
1	34.07	1	389.65	1	749.18	1	1,108.24	1	1,467.72	1	1,827.24	1	2,186.77	1	2,546.29	1	2,905.75	1	3,265.16
1/4	40.62	1/4	397.14	1/4	756.67	1/4	1,115.72	1/4	1,475.21	1/4	1,834.73	1/4	2,194.26	1/4	2,555.78	1/4	2,913.23	1/4	3,272.65
1/2	47.18	1/2	404.63	1/2	764.16	1/2	1,123.21	1/2	1,482.70	1/2	1,842.22	1/2	2,201.75	1/2	2,561.27	1/2	2,920.72	1/2	3,280.14
3/4	53.73	3/4	412.12	3/4	771.65	3/4	1,130.69	3/4	1,490.19	3/4	1,849.71	3/4	2,209.24	3/4	2,568.76	3/4	2,928.21	3/4	3,287.62
2	60.28	2	419.61	2	779.14	2	1,138.18	2	1,497.68	2	1,857.20	2	2,216.73	2	2,576.25	2	2,935.70	2	3,295.11
1/4	67.73	1/4	427.10	1/4	786.63	1/4	1,145.66	1/4	1,505.17	1/4	1,864.69	1/4	2,224.22	1/4	2,583.74	1/4	2,943.18	1/4	3,302.60
1/2	75.19	1/2	434.59	1/2	794.12	1/2	1,153.15	1/2	1,512.66	1/2	1,872.18	1/2	2,231.71	1/2	2,591.23	1/2	2,950.67	1/2	3,310.09
3/4	82.64	3/4	442.08	3/4	801.61	3/4	1,160.63	3/4	1,520.15	3/4	1,879.68	3/4	2,239.20	3/4	2,598.72	3/4	2,958.16	3/4	3,317.57
3	90.09	3	449.57	3	809.10	3	1,168.12	3	1,527.64	3	1,887.17	3	2,246.69	3	2,606.21	3	2,965.65	3	3,325.06
1/4	97.57	1/4	457.06	1/4	816.59	1/4	1,175.61	1/4	1,535.13	1/4	1,894.66	1/4	2,254.18	1/4	2,613.70	1/4	2,973.14	1/4	3,332.55
1/2	105.05	1/2	464.55	1/2	824.08	1/2	1,183.10	1/2	1,542.62	1/2	1,902.15	1/2	2,261.67	1/2	2,621.19	1/2	2,980.62	1/2	3,340.04
3/4	112.53	3/4	472.04	3/4	831.57	3/4	1,190.59	3/4	1,550.11	3/4	1,909.64	3/4	2,269.16	3/4	2,628.68	3/4	2,988.11	3/4	3,347.53
4	120.01	4	479.53	4	839.06	4	1,198.08	4	1,557.60	4	1,917.13	4	2,276.65	4	2,636.18	4	2,995.60	4	3,355.01
1/4	127.50	1/4	487.02	1/4	846.55	1/4	1,205.57	1/4	1,565.09	1/4	1,924.62	1/4	2,284.14	1/4	2,643.67	1/4	3,003.09	1/4	3,362.50
1/2	134.99	1/2	494.51	1/2	854.04	1/2	1,213.06	1/2	1,572.58	1/2	1,932.11	1/2	2,291.63	1/2	2,651.16	1/2	3,010.57	1/2	3,369.99
3/4	142.48	3/4	502.00	3/4	861.53	3/4	1,220.55	3/4	1,580.07	3/4	1,939.60	3/4	2,299.12	3/4	2,658.65	3/4	3,018.06	3/4	3,377.48
5	149.97	5	509.49	5	869.02	5	1,228.04	5	1,587.56	5	1,947.09	5	2,306.61	5	2,666.14	5	3,025.55	5	3,384.96
1/4	157.46	1/4	516.98	1/4	876.49	1/4	1,235.53	1/4	1,595.05	1/4	1,954.58	1/4	2,314.10	1/4	2,673.62	1/4	3,033.04	1/4	3,392.45
1/2	164.95	1/2	524.47	1/2	883.97	1/2	1,243.02	1/2	1,602.54	1/2	1,962.07	1/2	2,321.59	1/2	2,681.11	1/2	3,040.53	1/2	3,399.94
3/4	172.44	3/4	531.96	3/4	891.44	3/4	1,250.51	3/4	1,610.03	3/4	1,969.56	3/4	2,329.08	3/4	2,688.60	3/4	3,048.01	3/4	3,407.43
6	179.93	6	539.45	6	898.92	6	1,258.00	6	1,617.52	6	1,977.05	6	2,336.57	6	2,696.09	6	3,055.50	6	3,414.92
1/4	187.42	1/4	546.94	1/4	906.40	1/4	1,265.49	1/4	1,625.01	1/4	1,984.54	1/4	2,344.06	1/4	2,703.57	1/4	3,062.99	1/4	3,422.40
1/2	194.91	1/2	554.43	1/2	913.87	1/2	1,272.98	1/2	1,632.50	1/2	1,992.03	1/2	2,351.55	1/2	2,711.06	1/2	3,070.48	1/2	3,429.89
3/4	202.40	3/4	561.92	3/4	921.35	3/4	1,280.47	3/4	1,639.99	3/4	1,999.52	3/4	2,359.04	3/4	2,718.55	3/4	3,077.96	3/4	3,437.38
7	209.89	7	569.41	7	928.82	7	1,287.96	7	1,647.48	7	2,007.01	7	2,366.53	7	2,726.04	7	3,085.45	7	3,444.87
1/4	217.38	1/4	576.90	1/4	936.30	1/4	1,295.45	1/4	1,654.97	1/4	2,014.50	1/4	2,374.02	1/4	2,733.53	1/4	3,092.94	1/4	3,452.35
1/2	224.87	1/2	584.39	1/2	943.77	1/2	1,302.94	1/2	1,662.46	1/2	2,021.99	1/2	2,381.51	1/2	2,741.01	1/2	3,100.43	1/2	3,459.84
3/4	232.36	3/4	591.88	3/4	951.25	3/4	1,310.43	3/4	1,669.95	3/4	2,029.48	3/4	2,389.00	3/4	2,748.50	3/4	3,107.92	3/4	3,467.33
8	239.85	8	599.37	8	958.73	8	1,317.92	8	1,677.44	8	2,036.97	8	2,396.49	8	2,755.99	8	3,115.40	8	3,474.82
1/4	247.34	1/4	606.86	1/4	966.20	1/4	1,325.41	1/4	1,684.93	1/4	2,044.46	1/4	2,403.98	1/4	2,763.48	1/4	3,122.89	1/4	3,482.31
1/2	254.83	1/2	614.35	1/2	973.68	1/2	1,332.90	1/2	1,692.42	1/2	2,051.95	1/2	2,411.47	1/2	2,770.96	1/2	3,130.38	1/2	3,489.79
3/4	262.32	3/4	621.84	3/4	981.15	3/4	1,340.39	3/4	1,699.91	3/4	2,059.44	3/4	2,418.96	3/4	2,778.45	3/4	3,137.87	3/4	3,497.28
9	269.81	9	629.33	9	988.63	9	1,347.88	9	1,707.40	9	2,066.93	9	2,426.45	9	2,785.94	9	3,145.35	9	3,504.77
1/4	277.30	1/4	636.82	1/4	996.10	1/4	1,355.37	1/4	1,714.89	1/4	2,074.42	1/4	2,433.94	1/4	2,793.43	1/4	3,152.84	1/4	3,512.26
1/2	284.79	1/2	644.31	1/2	1,003.58	1/2	1,362.86	1/2	1,722.38	1/2	2,081.91	1/2	2,441.43	1/2	2,800.92	1/2	3,160.33	1/2	3,519.74
3/4	292.28	3/4	651.80	3/4	1,011.06	3/4	1,370.35	3/4	1,729.87	3/4	2,089.40	3/4	2,448.92	3/4	2,808.40	3/4	3,167.82	3/4	3,527.23
10	299.77	10	659.29	10	1,018.53	10	1,377.84	10	1,737.36	10	2,096.89	10	2,456.41	10	2,815.89	10	3,175.31	10	3,534.72
1/4	307.26	1/4	666.78	1/4	1,026.01	1/4	1,385.33	1/4	1,744.85	1/4	2,104.38	1/4	2,463.90	1/4	2,823.38	1/4	3,182.79	1/4	3,542.21
1/2	314.75	1/2	674.27	1/2	1,033.48	1/2	1,392.82	1/2	1,752.34	1/2	2,111.87	1/2	2,471.39	1/2	2,830.87	1/2	3,190.28	1/2	3,549.70
3/4	322.24	3/4	681.76	3/4	1,040.96	3/4	1,400.31	3/4	1,759.83	3/4	2,119.36	3/4	2,478.88	3/4	2,838.35	3/4	3,197.77	3/4	3,557.18
11	329.73	11	689.25	11	1,048.43	11	1,407.80	11	1,767.32	11	2,126.85	11	2,486.37	11	2,845.84	11	3,205.26	11	3,564.67
1/4	337.22	1/4	696.74	1/4	1,055.91	1/4	1,415.29	1/4	1,774.81	1/4	2,134.34	1/4	2,493.86	1/4	2,853.33	1/4	3,212.74	1/4	3,572.16
1/2	344.71	1/2	704.23	1/2	1,063.39	1/2	1,422.78	1/2	1,782.30	1/2	2,141.83	1/2	2,501.35	1/2	2,860.82	1/2	3,220.23	1/2	3,579.65
3/4	352.20	3/4	711.72	3/4	1,070.86	3/4	1,430.27	3/4	1,789.79	3/4	2,149.32	3/4	2,508.84	3/4	2,868.31	3/4	3,227.72	3/4	3,587.13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

2 STBD INNAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,594.62	0	3,954.04	0	4,312.77	0	4,671.15	0	5,027.72	0		0		0		0		0	
1/4	3,602.11	1/4	3,961.52	1/4	4,320.23	1/4	4,678.62	1/4	5,035.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,609.60	1/2	3,969.01	1/2	4,327.70	1/2	4,686.09	1/2	5,042.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,617.09	3/4	3,976.50	3/4	4,335.17	3/4	4,693.55	3/4	5,049.69	3/4		3/4		3/4		3/4		3/4	
1	3,624.57	1	3,983.99	1	4,342.63	1	4,701.02	1	5,057.02	1		1		1		1		1	
1/4	3,632.06	1/4	3,991.48	1/4	4,350.10	1/4	4,708.49	1/4	5,063.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.55	1/2	3,998.96	1/2	4,357.57	1/2	4,715.95	1/2	5,069.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.04	3/4	4,006.45	3/4	4,365.03	3/4	4,723.42	3/4	5,076.39	3/4		3/4		3/4		3/4		3/4	
2	3,654.53	2	4,013.94	2	4,372.50	2	4,730.89	2	5,082.85	2		2		2		2		2	
1/4	3,662.01	1/4	4,021.43	1/4	4,379.96	1/4	4,738.35	1/4	5,088.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,669.50	1/2	4,028.92	1/2	4,387.43	1/2	4,745.82	1/2	5,093.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.99	3/4	4,036.40	3/4	4,394.90	3/4	4,753.28	3/4	5,098.48	3/4		3/4		3/4		3/4		3/4	
3	3,684.48	3	4,043.89	3	4,402.36	3	4,760.75	3	5,103.69	3		3		3		3		3	
1/4	3,691.96	1/4	4,051.38	1/4	4,409.83	1/4	4,768.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,699.45	1/2	4,058.87	1/2	4,417.30	1/2	4,775.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.94	3/4	4,066.35	3/4	4,424.76	3/4	4,783.15	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,714.43	4	4,073.84	4	4,432.23	4	4,790.62	4	4	4		4		4		4		4	
1/4	3,721.92	1/4	4,081.31	1/4	4,439.70	1/4	4,798.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.40	1/2	4,088.77	1/2	4,447.16	1/2	4,805.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.89	3/4	4,096.24	3/4	4,454.63	3/4	4,813.02	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,744.38	5	4,103.71	5	4,462.09	5	4,820.48	5	5	5		5		5		5		5	
1/4	3,751.87	1/4	4,111.17	1/4	4,469.56	1/4	4,827.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.35	1/2	4,118.64	1/2	4,477.03	1/2	4,835.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.84	3/4	4,126.11	3/4	4,484.49	3/4	4,842.88	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,774.33	6	4,133.57	6	4,491.96	6	4,850.35	6	6	6		6		6		6		6	
1/4	3,781.82	1/4	4,141.04	1/4	4,499.43	1/4	4,857.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,789.31	1/2	4,148.51	1/2	4,506.89	1/2	4,865.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,796.79	3/4	4,155.97	3/4	4,514.36	3/4	4,872.52	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,804.28	7	4,163.44	7	4,521.83	7	4,879.92	7	7	7		7		7		7		7	
1/4	3,811.77	1/4	4,170.91	1/4	4,529.29	1/4	4,887.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,819.26	1/2	4,178.37	1/2	4,536.76	1/2	4,894.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,826.74	3/4	4,185.84	3/4	4,544.23	3/4	4,902.09	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,834.23	8	4,193.30	8	4,551.69	8	4,909.49	8	8	8		8		8		8		8	
1/4	3,841.72	1/4	4,200.77	1/4	4,559.16	1/4	4,916.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,849.21	1/2	4,208.24	1/2	4,566.62	1/2	4,924.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,856.70	3/4	4,215.70	3/4	4,574.09	3/4	4,931.66	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,864.18	9	4,223.17	9	4,581.56	9	4,939.06	9	9	9		9		9		9		9	
1/4	3,871.67	1/4	4,230.64	1/4	4,589.02	1/4	4,946.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,879.16	1/2	4,238.10	1/2	4,596.49	1/2	4,953.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,886.65	3/4	4,245.57	3/4	4,603.96	3/4	4,961.24	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,894.13	10	4,253.04	10	4,611.42	10	4,968.63	10	10	10		10		10		10		10	
1/4	3,901.62	1/4	4,260.50	1/4	4,618.89	1/4	4,976.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,909.11	1/2	4,267.97	1/2	4,626.36	1/2	4,983.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,916.60	3/4	4,275.43	3/4	4,633.82	3/4	4,990.81	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,924.09	11	4,282.90	11	4,641.29	11	4,998.20	11	11	11		11		11		11		11	
1/4	3,931.57	1/4	4,290.37	1/4	4,648.75	1/4	5,005.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,939.06	1/2	4,297.83	1/2	4,656.22	1/2	5,012.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,946.55	3/4	4,305.30	3/4	4,663.69	3/4	5,020.34	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29136"

3 PORT INNAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.26	0	357.45	0	714.28	0	1,061.45	0	1,414.28	0	1,770.79	0	2,126.58	0	2,483.09	0	2,839.30	0	3,195.50
1/4	19.91	1/4	364.89	1/4	721.71	1/4	1,068.59	1/4	1,421.70	1/4	1,778.21	1/4	2,134.01	1/4	2,490.51	1/4	2,846.73	1/4	3,202.89
1/2	24.56	1/2	372.32	1/2	729.14	1/2	1,075.73	1/2	1,429.13	1/2	1,785.62	1/2	2,141.43	1/2	2,497.93	1/2	2,854.15	1/2	3,210.28
3/4	29.22	3/4	379.75	3/4	736.58	3/4	1,082.87	3/4	1,436.56	3/4	1,793.03	3/4	2,148.86	3/4	2,505.35	3/4	2,861.57	3/4	3,217.68
1	33.87	1	387.19	1	744.01	1	1,090.00	1	1,443.99	1	1,800.44	1	2,156.29	1	2,512.77	1	2,868.99	1	3,225.07
1/4	40.38	1/4	394.62	1/4	751.44	1/4	1,097.21	1/4	1,451.42	1/4	1,807.85	1/4	2,163.71	1/4	2,520.20	1/4	2,876.41	1/4	3,232.46
1/2	46.90	1/2	402.06	1/2	758.88	1/2	1,104.42	1/2	1,458.85	1/2	1,815.27	1/2	2,171.14	1/2	2,527.62	1/2	2,883.83	1/2	3,239.85
3/4	53.41	3/4	409.49	3/4	766.31	3/4	1,111.63	3/4	1,466.28	3/4	1,822.68	3/4	2,178.56	3/4	2,535.04	3/4	2,891.25	3/4	3,247.25
2	59.92	2	416.92	2	773.75	2	1,118.84	2	1,473.71	2	1,830.09	2	2,185.99	2	2,542.46	2	2,898.67	2	3,254.64
1/4	67.33	1/4	424.36	1/4	781.18	1/4	1,126.04	1/4	1,481.14	1/4	1,837.50	1/4	2,193.41	1/4	2,549.88	1/4	2,906.09	1/4	3,262.03
1/2	74.74	1/2	431.79	1/2	788.61	1/2	1,133.25	1/2	1,488.56	1/2	1,844.92	1/2	2,200.84	1/2	2,557.31	1/2	2,913.51	1/2	3,269.42
3/4	82.15	3/4	439.23	3/4	796.05	3/4	1,140.46	3/4	1,495.99	3/4	1,852.33	3/4	2,208.26	3/4	2,564.73	3/4	2,920.93	3/4	3,276.81
3	89.56	3	446.66	3	803.48	3	1,147.67	3	1,503.42	3	1,859.74	3	2,215.69	3	2,572.15	3	2,928.35	3	3,284.21
1/4	96.99	1/4	454.09	1/4	810.85	1/4	1,154.89	1/4	1,510.85	1/4	1,867.15	1/4	2,223.11	1/4	2,579.57	1/4	2,935.77	1/4	3,291.60
1/2	104.43	1/2	461.53	1/2	818.22	1/2	1,162.11	1/2	1,518.28	1/2	1,874.57	1/2	2,230.54	1/2	2,586.99	1/2	2,943.19	1/2	3,298.99
3/4	111.86	3/4	468.96	3/4	825.59	3/4	1,169.33	3/4	1,525.71	3/4	1,881.98	3/4	2,237.96	3/4	2,594.42	3/4	2,950.62	3/4	3,306.38
4	119.30	4	476.39	4	832.96	4	1,176.55	4	1,533.14	4	1,889.39	4	2,245.39	4	2,601.84	4	2,958.04	4	3,313.78
1/4	126.74	1/4	483.83	1/4	840.12	1/4	1,183.98	1/4	1,540.57	1/4	1,896.80	1/4	2,252.82	1/4	2,609.26	1/4	2,965.46	1/4	3,321.17
1/2	134.19	1/2	491.26	1/2	847.28	1/2	1,191.41	1/2	1,547.99	1/2	1,904.22	1/2	2,260.24	1/2	2,616.68	1/2	2,972.88	1/2	3,328.56
3/4	141.63	3/4	498.70	3/4	854.44	3/4	1,198.84	3/4	1,555.42	3/4	1,911.63	3/4	2,267.67	3/4	2,624.10	3/4	2,980.30	3/4	3,335.95
5	149.07	5	506.13	5	861.60	5	1,206.27	5	1,562.85	5	1,919.04	5	2,275.09	5	2,631.53	5	2,987.72	5	3,343.34
1/4	156.52	1/4	513.56	1/4	868.74	1/4	1,213.70	1/4	1,570.28	1/4	1,926.45	1/4	2,282.52	1/4	2,638.95	1/4	2,995.14	1/4	3,350.73
1/2	163.97	1/2	521.00	1/2	875.88	1/2	1,221.13	1/2	1,577.71	1/2	1,933.87	1/2	2,289.95	1/2	2,646.37	1/2	3,002.56	1/2	3,358.12
3/4	171.41	3/4	528.43	3/4	883.01	3/4	1,228.56	3/4	1,585.14	3/4	1,941.28	3/4	2,297.38	3/4	2,653.79	3/4	3,009.98	3/4	3,365.51
6	178.86	6	535.86	6	890.15	6	1,235.98	6	1,592.57	6	1,948.69	6	2,304.82	6	2,661.21	6	3,017.40	6	3,372.90
1/4	186.30	1/4	543.30	1/4	897.29	1/4	1,243.41	1/4	1,600.00	1/4	1,956.10	1/4	2,312.25	1/4	2,668.63	1/4	3,024.82	1/4	3,380.28
1/2	193.75	1/2	550.73	1/2	904.43	1/2	1,250.84	1/2	1,607.42	1/2	1,963.52	1/2	2,319.68	1/2	2,676.05	1/2	3,032.24	1/2	3,387.66
3/4	201.19	3/4	558.17	3/4	911.56	3/4	1,258.27	3/4	1,614.85	3/4	1,970.93	3/4	2,327.11	3/4	2,683.47	3/4	3,039.66	3/4	3,395.03
7	208.64	7	565.60	7	918.70	7	1,265.70	7	1,622.28	7	1,978.34	7	2,334.54	7	2,690.89	7	3,047.08	7	3,402.41
1/4	216.08	1/4	573.03	1/4	925.84	1/4	1,273.13	1/4	1,629.71	1/4	1,985.75	1/4	2,341.97	1/4	2,698.31	1/4	3,054.51	1/4	3,409.57
1/2	223.53	1/2	580.47	1/2	932.98	1/2	1,280.56	1/2	1,637.14	1/2	1,993.16	1/2	2,349.40	1/2	2,705.73	1/2	3,061.93	1/2	3,416.72
3/4	230.97	3/4	587.90	3/4	940.11	3/4	1,287.99	3/4	1,644.57	3/4	2,000.58	3/4	2,356.83	3/4	2,713.15	3/4	3,069.35	3/4	3,423.87
8	238.42	8	595.33	8	947.25	8	1,295.42	8	1,652.00	8	2,007.99	8	2,364.26	8	2,720.57	8	3,076.77	8	3,431.02
1/4	245.87	1/4	602.77	1/4	954.39	1/4	1,302.84	1/4	1,659.43	1/4	2,015.40	1/4	2,371.70	1/4	2,727.99	1/4	3,084.19	1/4	3,437.70
1/2	253.31	1/2	610.20	1/2	961.53	1/2	1,310.27	1/2	1,666.86	1/2	2,022.81	1/2	2,379.13	1/2	2,735.41	1/2	3,091.61	1/2	3,444.37
3/4	260.76	3/4	617.64	3/4	968.66	3/4	1,317.70	3/4	1,674.28	3/4	2,030.23	3/4	2,386.56	3/4	2,742.84	3/4	3,099.03	3/4	3,451.04
9	268.20	9	625.07	9	975.80	9	1,325.13	9	1,681.71	9	2,037.64	9	2,393.99	9	2,750.26	9	3,106.45	9	3,457.72
1/4	275.65	1/4	632.50	1/4	982.94	1/4	1,332.56	1/4	1,689.14	1/4	2,045.04	1/4	2,401.42	1/4	2,757.68	1/4	3,113.87	1/4	3,463.92
1/2	283.09	1/2	639.94	1/2	990.08	1/2	1,339.99	1/2	1,696.57	1/2	2,052.45	1/2	2,408.85	1/2	2,765.10	1/2	3,121.29	1/2	3,470.11
3/4	290.54	3/4	647.37	3/4	997.22	3/4	1,347.42	3/4	1,704.00	3/4	2,059.86	3/4	2,416.28	3/4	2,772.52	3/4	3,128.71	3/4	3,476.31
10	297.98	10	654.81	10	1,004.35	10	1,354.85	10	1,711.43	10	2,067.26	10	2,423.71	10	2,779.94	10	3,136.13	10	3,482.51
1/4	305.42	1/4	662.24	1/4	1,011.49	1/4	1,362.27	1/4	1,718.86	1/4	2,074.67	1/4	2,431.13	1/4	2,787.36	1/4	3,143.55	1/4	3,488.24
1/2	312.85	1/2	669.67	1/2	1,018.63	1/2	1,369.70	1/2	1,726.29	1/2	2,082.07	1/2	2,438.56	1/2	2,794.78	1/2	3,150.97	1/2	3,493.97
3/4	320.28	3/4	677.11	3/4	1,025.77	3/4	1,377.13	3/4	1,733.71	3/4	2,089.48	3/4	2,445.98	3/4	2,802.20	3/4	3,158.39	3/4	3,499.70
11	327.72	11	684.54	11	1,032.90	11	1,384.56	11	1,741.14	11	2,096.88	11	2,453.40	11	2,809.62	11	3,165.82	11	3,505.43
1/4	335.15	1/4	691.97	1/4	1,040.04	1/4	1,391.99	1/4	1,748.56	1/4	2,104.31	1/4	2,460.82	1/4	2,817.04	1/4	3,173.24	1/4	3,510.68
1/2	342.59	1/2	699.41	1/2	1,047.18	1/2	1,399.42	1/2	1,755.97	1/2	2,111.73	1/2	2,468.24	1/2	2,824.46	1/2	3,180.66	1/2	3,515.93
3/4	350.02	3/4	706.84	3/4	1,054.32	3/4	1,406.85	3/4	1,763.38	3/4	2,119.16	3/4	2,475.67	3/4	2,831.88	3/4	3,188.08	3/4	3,521.18

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

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



BARGE "CTC 29136"

3 PORT INNAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,526.44	0	3,746.77	0	3,965.74	0	4,184.51	0	4,402.18	0		0		0		0		0	
1/4	3,531.25	1/4	3,751.34	1/4	3,970.30	1/4	4,189.07	1/4	4,406.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,536.06	1/2	3,755.91	1/2	3,974.86	1/2	4,193.62	1/2	4,411.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,540.87	3/4	3,760.48	3/4	3,979.42	3/4	4,198.18	3/4	4,415.59	3/4		3/4		3/4		3/4		3/4	
1	3,545.68	1	3,765.06	1	3,983.97	1	4,202.74	1	4,420.06	1		1		1		1		1	
1/4	3,550.25	1/4	3,769.63	1/4	3,988.53	1/4	4,207.30	1/4	4,424.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,554.82	1/2	3,774.20	1/2	3,993.09	1/2	4,211.85	1/2	4,427.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,559.39	3/4	3,778.77	3/4	3,997.65	3/4	4,216.41	3/4	4,431.89	3/4		3/4		3/4		3/4		3/4	
2	3,563.96	2	3,783.34	2	4,002.20	2	4,220.97	2	4,435.83	2		2		2		2		2	
1/4	3,568.53	1/4	3,787.91	1/4	4,006.76	1/4	4,225.53	1/4	4,439.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.10	1/2	3,792.48	1/2	4,011.32	1/2	4,230.08	1/2	4,442.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,577.67	3/4	3,797.05	3/4	4,015.88	3/4	4,234.64	3/4	4,445.37	3/4		3/4		3/4		3/4		3/4	
3	3,582.24	3	3,801.62	3	4,020.43	3	4,239.20	3	4,448.55	3		3		3		3		3	
1/4	3,586.81	1/4	3,806.19	1/4	4,024.99	1/4	4,243.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,591.38	1/2	3,810.76	1/2	4,029.55	1/2	4,248.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,595.95	3/4	3,815.33	3/4	4,034.11	3/4	4,252.87	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,600.52	4	3,819.90	4	4,038.66	4	4,257.43	4		4		4		4		4		4	
1/4	3,605.09	1/4	3,824.46	1/4	4,043.22	1/4	4,261.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,609.66	1/2	3,829.02	1/2	4,047.78	1/2	4,266.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,614.23	3/4	3,833.57	3/4	4,052.34	3/4	4,271.10	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,618.80	5	3,838.13	5	4,056.90	5	4,275.66	5		5		5		5		5		5	
1/4	3,623.37	1/4	3,842.69	1/4	4,061.45	1/4	4,280.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,627.94	1/2	3,847.25	1/2	4,066.01	1/2	4,284.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,632.51	3/4	3,851.80	3/4	4,070.57	3/4	4,289.33	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,637.08	6	3,856.36	6	4,075.13	6	4,293.89	6		6		6		6		6		6	
1/4	3,641.65	1/4	3,860.92	1/4	4,079.68	1/4	4,298.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,646.22	1/2	3,865.48	1/2	4,084.24	1/2	4,302.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,650.80	3/4	3,870.03	3/4	4,088.80	3/4	4,307.43	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,655.37	7	3,874.59	7	4,093.36	7	4,311.94	7		7		7		7		7		7	
1/4	3,659.94	1/4	3,879.15	1/4	4,097.91	1/4	4,316.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,664.51	1/2	3,883.71	1/2	4,102.47	1/2	4,320.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,669.08	3/4	3,888.26	3/4	4,107.03	3/4	4,325.48	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,673.65	8	3,892.82	8	4,111.59	8	4,330.00	8		8		8		8		8		8	
1/4	3,678.22	1/4	3,897.38	1/4	4,116.14	1/4	4,334.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.79	1/2	3,901.94	1/2	4,120.70	1/2	4,339.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,687.36	3/4	3,906.49	3/4	4,125.26	3/4	4,343.54	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,691.93	9	3,911.05	9	4,129.82	9	4,348.05	9		9		9		9		9		9	
1/4	3,696.50	1/4	3,915.61	1/4	4,134.37	1/4	4,352.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,701.07	1/2	3,920.17	1/2	4,138.93	1/2	4,357.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.64	3/4	3,924.72	3/4	4,143.49	3/4	4,361.59	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,710.21	10	3,929.28	10	4,148.05	10	4,366.11	10		10		10		10		10		10	
1/4	3,714.78	1/4	3,933.84	1/4	4,152.60	1/4	4,370.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,719.35	1/2	3,938.40	1/2	4,157.16	1/2	4,375.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.92	3/4	3,942.96	3/4	4,161.72	3/4	4,379.65	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,728.49	11	3,947.51	11	4,166.28	11	4,384.16	11		11		11		11		11		11	
1/4	3,733.06	1/4	3,952.07	1/4	4,170.84	1/4	4,388.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.63	1/2	3,956.63	1/2	4,175.39	1/2	4,393.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,742.20	3/4	3,961.19	3/4	4,179.95	3/4	4,397.68	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29136"

3 STBD INNAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-04"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.26	0	357.56	0	714.96	0	1,071.95	0	1,429.26	0	1,786.67	0	2,144.07	0	2,501.40	0	2,858.33	0	3,215.25
1/4	19.91	1/4	365.01	1/4	722.41	1/4	1,079.39	1/4	1,436.70	1/4	1,794.11	1/4	2,151.52	1/4	2,508.84	1/4	2,865.77	1/4	3,222.65
1/2	24.56	1/2	372.45	1/2	729.85	1/2	1,086.82	1/2	1,444.15	1/2	1,801.56	1/2	2,158.97	1/2	2,516.28	1/2	2,873.20	1/2	3,230.06
3/4	29.22	3/4	379.90	3/4	737.30	3/4	1,094.25	3/4	1,451.60	3/4	1,809.00	3/4	2,166.41	3/4	2,523.71	3/4	2,880.64	3/4	3,237.47
1	33.87	1	387.35	1	744.74	1	1,101.68	1	1,459.04	1	1,816.45	1	2,173.86	1	2,531.15	1	2,888.07	1	3,244.87
1/4	40.38	1/4	394.79	1/4	752.19	1/4	1,109.12	1/4	1,466.49	1/4	1,823.90	1/4	2,181.30	1/4	2,538.59	1/4	2,895.51	1/4	3,252.28
1/2	46.90	1/2	402.24	1/2	759.64	1/2	1,116.56	1/2	1,473.93	1/2	1,831.34	1/2	2,188.75	1/2	2,546.02	1/2	2,902.95	1/2	3,259.69
3/4	53.41	3/4	409.68	3/4	767.08	3/4	1,124.00	3/4	1,481.38	3/4	1,838.79	3/4	2,196.20	3/4	2,553.46	3/4	2,910.38	3/4	3,267.10
2	59.92	2	417.13	2	774.53	2	1,131.44	2	1,488.83	2	1,846.23	2	2,203.64	2	2,560.90	2	2,917.82	2	3,274.50
1/4	67.33	1/4	424.58	1/4	781.97	1/4	1,138.88	1/4	1,496.27	1/4	1,853.68	1/4	2,211.09	1/4	2,568.33	1/4	2,925.25	1/4	3,281.91
1/2	74.74	1/2	432.02	1/2	789.42	1/2	1,146.32	1/2	1,503.72	1/2	1,861.13	1/2	2,218.53	1/2	2,575.77	1/2	2,932.69	1/2	3,289.32
3/4	82.15	3/4	439.47	3/4	796.87	3/4	1,153.76	3/4	1,511.16	3/4	1,868.57	3/4	2,225.98	3/4	2,583.20	3/4	2,940.12	3/4	3,296.72
3	89.56	3	446.91	3	804.31	3	1,161.20	3	1,518.61	3	1,876.02	3	2,233.43	3	2,590.64	3	2,947.56	3	3,304.13
1/4	97.00	1/4	454.36	1/4	811.76	1/4	1,168.65	1/4	1,526.06	1/4	1,883.46	1/4	2,240.87	1/4	2,598.08	1/4	2,955.00	1/4	3,311.54
1/2	104.43	1/2	461.80	1/2	819.20	1/2	1,176.09	1/2	1,533.50	1/2	1,890.91	1/2	2,248.32	1/2	2,605.51	1/2	2,962.43	1/2	3,318.95
3/4	111.87	3/4	469.25	3/4	826.65	3/4	1,183.54	3/4	1,540.95	3/4	1,898.36	3/4	2,255.76	3/4	2,612.95	3/4	2,969.87	3/4	3,326.35
4	119.30	4	476.70	4	834.09	4	1,190.99	4	1,548.39	4	1,905.80	4	2,263.21	4	2,620.39	4	2,977.30	4	3,333.76
1/4	126.75	1/4	484.14	1/4	841.54	1/4	1,198.43	1/4	1,555.84	1/4	1,913.25	1/4	2,270.66	1/4	2,627.82	1/4	2,984.74	1/4	3,341.17
1/2	134.19	1/2	491.59	1/2	848.99	1/2	1,205.88	1/2	1,563.29	1/2	1,920.69	1/2	2,278.10	1/2	2,635.26	1/2	2,992.17	1/2	3,348.57
3/4	141.64	3/4	499.03	3/4	856.43	3/4	1,213.32	3/4	1,570.73	3/4	1,928.14	3/4	2,285.55	3/4	2,642.70	3/4	2,999.61	3/4	3,355.98
5	149.08	5	506.48	5	863.88	5	1,220.77	5	1,578.18	5	1,935.59	5	2,292.99	5	2,650.13	5	3,007.05	5	3,363.39
1/4	156.53	1/4	513.92	1/4	871.31	1/4	1,228.22	1/4	1,585.62	1/4	1,943.03	1/4	2,300.44	1/4	2,657.57	1/4	3,014.48	1/4	3,370.79
1/2	163.97	1/2	521.37	1/2	878.74	1/2	1,235.66	1/2	1,593.07	1/2	1,950.48	1/2	2,307.89	1/2	2,665.00	1/2	3,021.92	1/2	3,378.20
3/4	171.42	3/4	528.82	3/4	886.17	3/4	1,243.11	3/4	1,600.52	3/4	1,957.92	3/4	2,315.33	3/4	2,672.44	3/4	3,029.35	3/4	3,385.60
6	178.86	6	536.26	6	893.60	6	1,250.55	6	1,607.96	6	1,965.37	6	2,322.78	6	2,679.88	6	3,036.79	6	3,393.00
1/4	186.31	1/4	543.71	1/4	901.03	1/4	1,258.00	1/4	1,615.41	1/4	1,972.82	1/4	2,330.22	1/4	2,687.31	1/4	3,044.22	1/4	3,400.40
1/2	193.76	1/2	551.15	1/2	908.47	1/2	1,265.45	1/2	1,622.85	1/2	1,980.26	1/2	2,337.67	1/2	2,694.75	1/2	3,051.66	1/2	3,407.79
3/4	201.20	3/4	558.60	3/4	915.90	3/4	1,272.89	3/4	1,630.30	3/4	1,987.71	3/4	2,345.12	3/4	2,702.18	3/4	3,059.10	3/4	3,415.18
7	208.65	7	566.05	7	923.33	7	1,280.34	7	1,637.75	7	1,995.15	7	2,352.56	7	2,709.62	7	3,066.53	7	3,422.58
1/4	216.09	1/4	573.49	1/4	930.76	1/4	1,287.78	1/4	1,645.19	1/4	2,002.60	1/4	2,360.01	1/4	2,717.05	1/4	3,073.97	1/4	3,429.74
1/2	223.54	1/2	580.94	1/2	938.19	1/2	1,295.23	1/2	1,652.64	1/2	2,010.05	1/2	2,367.45	1/2	2,724.49	1/2	3,081.40	1/2	3,436.91
3/4	230.98	3/4	588.38	3/4	945.62	3/4	1,302.68	3/4	1,660.08	3/4	2,017.49	3/4	2,374.90	3/4	2,731.93	3/4	3,088.84	3/4	3,444.08
8	238.43	8	595.83	8	953.05	8	1,310.12	8	1,667.53	8	2,024.94	8	2,382.35	8	2,739.36	8	3,096.27	8	3,451.25
1/4	245.88	1/4	603.27	1/4	960.48	1/4	1,317.57	1/4	1,674.98	1/4	2,032.38	1/4	2,389.79	1/4	2,746.80	1/4	3,103.71	1/4	3,457.93
1/2	253.32	1/2	610.72	1/2	967.92	1/2	1,325.01	1/2	1,682.42	1/2	2,039.83	1/2	2,397.24	1/2	2,754.23	1/2	3,111.15	1/2	3,464.62
3/4	260.77	3/4	618.17	3/4	975.35	3/4	1,332.46	3/4	1,689.87	3/4	2,047.28	3/4	2,404.68	3/4	2,761.67	3/4	3,118.58	3/4	3,471.31
9	268.21	9	625.61	9	982.78	9	1,339.91	9	1,697.31	9	2,054.72	9	2,412.13	9	2,769.10	9	3,126.02	9	3,478.00
1/4	275.66	1/4	633.06	1/4	990.21	1/4	1,347.35	1/4	1,704.76	1/4	2,062.17	1/4	2,419.58	1/4	2,776.54	1/4	3,133.45	1/4	3,484.21
1/2	283.10	1/2	640.50	1/2	997.64	1/2	1,354.80	1/2	1,712.21	1/2	2,069.61	1/2	2,427.02	1/2	2,783.98	1/2	3,140.89	1/2	3,490.42
3/4	290.55	3/4	647.95	3/4	1,005.07	3/4	1,362.24	3/4	1,719.65	3/4	2,077.06	3/4	2,434.47	3/4	2,791.41	3/4	3,148.32	3/4	3,496.63
10	298.00	10	655.39	10	1,012.50	10	1,369.69	10	1,727.10	10	2,084.51	10	2,441.91	10	2,798.85	10	3,155.76	10	3,502.84
1/4	305.44	1/4	662.84	1/4	1,019.93	1/4	1,377.14	1/4	1,734.54	1/4	2,091.95	1/4	2,449.35	1/4	2,806.28	1/4	3,163.20	1/4	3,508.57
1/2	312.89	1/2	670.29	1/2	1,027.37	1/2	1,384.58	1/2	1,741.99	1/2	2,099.40	1/2	2,456.79	1/2	2,813.72	1/2	3,170.63	1/2	3,514.30
3/4	320.33	3/4	677.73	3/4	1,034.80	3/4	1,392.03	3/4	1,749.44	3/4	2,106.84	3/4	2,464.22	3/4	2,821.15	3/4	3,178.07	3/4	3,520.03
11	327.78	11	685.18	11	1,042.23	11	1,399.47	11	1,756.88	11	2,114.29	11	2,471.66	11	2,828.59	11	3,185.50	11	3,525.77
1/4	335.23	1/4	692.62	1/4	1,049.66	1/4	1,406.92	1/4	1,764.33	1/4	2,121.74	1/4	2,479.10	1/4	2,836.02	1/4	3,192.94	1/4	3,531.02
1/2	342.67	1/2	700.07	1/2	1,057.09	1/2	1,414.37	1/2	1,771.77	1/2	2,129.18	1/2	2,486.53	1/2	2,843.46	1/2	3,200.37	1/2	3,536.27
3/4	350.12	3/4	707.52	3/4	1,064.52	3/4	1,421.81	3/4	1,779.22	3/4	2,136.63	3/4	2,493.97	3/4	2,850.90	3/4	3,207.81	3/4	3,541.52

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

**3 STBD
INNAGE TABLE**

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-04"

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	3,546.77	0	3,767.15	0	3,986.17	0	4,204.99	0	4,422.69	0		0		0		0		0	
1/4	3,551.59	1/4	3,771.72	1/4	3,990.73	1/4	4,209.54	1/4	4,427.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,556.40	1/2	3,776.29	1/2	3,995.29	1/2	4,214.10	1/2	4,431.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.21	3/4	3,780.86	3/4	3,999.84	3/4	4,218.66	3/4	4,436.10	3/4		3/4		3/4		3/4		3/4	
1	3,566.02	1	3,785.44	1	4,004.40	1	4,223.22	1	4,440.57	1		1		1		1		1	
1/4	3,570.59	1/4	3,790.01	1/4	4,008.96	1/4	4,227.78	1/4	4,444.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.16	1/2	3,794.58	1/2	4,013.52	1/2	4,232.34	1/2	4,448.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,579.73	3/4	3,799.15	3/4	4,018.08	3/4	4,236.90	3/4	4,452.40	3/4		3/4		3/4		3/4		3/4	
2	3,584.30	2	3,803.72	2	4,022.64	2	4,241.46	2	4,456.34	2		2		2		2		2	
1/4	3,588.87	1/4	3,808.29	1/4	4,027.20	1/4	4,246.01	1/4	4,459.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.44	1/2	3,812.86	1/2	4,031.76	1/2	4,250.57	1/2	4,462.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,598.02	3/4	3,817.43	3/4	4,036.31	3/4	4,255.13	3/4	4,465.89	3/4		3/4		3/4		3/4		3/4	
3	3,602.59	3	3,822.00	3	4,040.87	3	4,259.69	3	4,469.07	3		3		3		3		3	
1/4	3,607.16	1/4	3,826.58	1/4	4,045.43	1/4	4,264.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,611.73	1/2	3,831.15	1/2	4,049.99	1/2	4,268.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,616.30	3/4	3,835.72	3/4	4,054.55	3/4	4,273.37	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,620.87	4	3,840.29	4	4,059.11	4	4,277.92	4	4	4		4		4		4		4	
1/4	3,625.44	1/4	3,844.85	1/4	4,063.67	1/4	4,282.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,630.01	1/2	3,849.41	1/2	4,068.22	1/2	4,287.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,634.59	3/4	3,853.97	3/4	4,072.78	3/4	4,291.60	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,639.16	5	3,858.52	5	4,077.34	5	4,296.16	5	5	5		5		5		5		5	
1/4	3,643.73	1/4	3,863.08	1/4	4,081.90	1/4	4,300.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,648.30	1/2	3,867.64	1/2	4,086.46	1/2	4,305.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,652.87	3/4	3,872.20	3/4	4,091.02	3/4	4,309.84	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,657.44	6	3,876.76	6	4,095.58	6	4,314.39	6	6	6		6		6		6		6	
1/4	3,662.01	1/4	3,881.32	1/4	4,100.14	1/4	4,318.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,666.58	1/2	3,885.88	1/2	4,104.69	1/2	4,323.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,671.16	3/4	3,890.44	3/4	4,109.25	3/4	4,327.93	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,675.73	7	3,894.99	7	4,113.81	7	4,332.45	7	7	7		7		7		7		7	
1/4	3,680.30	1/4	3,899.55	1/4	4,118.37	1/4	4,336.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,684.87	1/2	3,904.11	1/2	4,122.93	1/2	4,341.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,689.44	3/4	3,908.67	3/4	4,127.49	3/4	4,345.99	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,694.01	8	3,913.23	8	4,132.05	8	4,350.50	8	8	8		8		8		8		8	
1/4	3,698.58	1/4	3,917.79	1/4	4,136.61	1/4	4,355.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,703.15	1/2	3,922.35	1/2	4,141.16	1/2	4,359.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,707.72	3/4	3,926.90	3/4	4,145.72	3/4	4,364.04	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,712.30	9	3,931.46	9	4,150.28	9	4,368.55	9	9	9		9		9		9		9	
1/4	3,716.87	1/4	3,936.02	1/4	4,154.84	1/4	4,373.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,721.44	1/2	3,940.58	1/2	4,159.40	1/2	4,377.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,726.01	3/4	3,945.14	3/4	4,163.96	3/4	4,382.09	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,730.58	10	3,949.70	10	4,168.52	10	4,386.61	10	10	10		10		10		10		10	
1/4	3,735.15	1/4	3,954.26	1/4	4,173.07	1/4	4,391.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.72	1/2	3,958.82	1/2	4,177.63	1/2	4,395.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,744.29	3/4	3,963.37	3/4	4,182.19	3/4	4,400.15	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,748.87	11	3,967.93	11	4,186.75	11	4,404.66	11	11	11		11		11		11		11	
1/4	3,753.44	1/4	3,972.49	1/4	4,191.31	1/4	4,409.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,758.01	1/2	3,977.05	1/2	4,195.87	1/2	4,413.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,762.58	3/4	3,981.61	3/4	4,200.43	3/4	4,418.18	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29136"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "E2MS 306"

GAUGE HEIGHT 5'-08 1/2"

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

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

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29136"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "E2MS 306"

GAUGE HEIGHT 4'-05 1/2"

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

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

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29136"

ULLAGE (HERMETIC)

FORMERLY "E2MS 306"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

October 17, 2022

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

1 PORT ULLAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,703.94	0	4,346.61	0	3,989.25	0	3,630.87	0	3,272.48	0	2,914.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,696.50	1/4	4,339.16	1/4	3,981.78	1/4	3,623.40	1/4	3,265.02	1/4	2,906.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,689.05	1/2	4,331.72	1/2	3,974.32	1/2	3,615.93	1/2	3,257.55	1/2	2,899.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,023.54	3/4	4,681.61	3/4	4,324.27	3/4	3,966.85	3/4	3,608.47	3/4	3,250.09	3/4	2,891.70
1		1		1		1		1	5,018.35	1	4,674.17	1	4,316.83	1	3,959.38	1	3,601.00	1	3,242.62	1	2,884.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,013.15	1/4	4,666.72	1/4	4,309.38	1/4	3,951.92	1/4	3,593.54	1/4	3,235.15	1/4	2,876.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,007.96	1/2	4,659.28	1/2	4,301.94	1/2	3,944.45	1/2	3,586.07	1/2	3,227.69	1/2	2,869.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,002.76	3/4	4,651.83	3/4	4,294.50	3/4	3,936.99	3/4	3,578.60	3/4	3,220.22	3/4	2,861.84
2		2		2		2		2	4,996.32	2	4,644.39	2	4,287.05	2	3,929.52	2	3,571.14	2	3,212.75	2	2,854.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,989.88	1/4	4,636.94	1/4	4,279.61	1/4	3,922.05	1/4	3,563.67	1/4	3,205.29	1/4	2,846.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,983.44	1/2	4,629.50	1/2	4,272.16	1/2	3,914.59	1/2	3,556.20	1/2	3,197.82	1/2	2,839.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,977.01	3/4	4,622.05	3/4	4,264.72	3/4	3,907.12	3/4	3,548.74	3/4	3,190.36	3/4	2,831.97
3		3		3		3		3	4,969.70	3	4,614.61	3	4,257.27	3	3,899.65	3	3,541.27	3	3,182.89	3	2,824.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,962.40	1/4	4,607.16	1/4	4,249.83	1/4	3,892.19	1/4	3,533.81	1/4	3,175.42	1/4	2,817.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,955.10	1/2	4,599.72	1/2	4,242.38	1/2	3,884.72	1/2	3,526.34	1/2	3,167.96	1/2	2,809.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,947.80	3/4	4,592.28	3/4	4,234.94	3/4	3,877.25	3/4	3,518.87	3/4	3,160.49	3/4	2,802.11
4		4		4		4		4	4,940.44	4	4,584.83	4	4,227.50	4	3,869.79	4	3,511.41	4	3,153.02	4	2,794.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,933.08	1/4	4,577.39	1/4	4,220.05	1/4	3,862.32	1/4	3,503.94	1/4	3,145.56	1/4	2,787.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,925.72	1/2	4,569.94	1/2	4,212.61	1/2	3,854.86	1/2	3,496.47	1/2	3,138.09	1/2	2,779.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.36	3/4	4,562.50	3/4	4,205.16	3/4	3,847.39	3/4	3,489.01	3/4	3,130.62	3/4	2,772.24
5		5		5		5		5	4,910.99	5	4,555.05	5	4,197.72	5	3,839.92	5	3,481.54	5	3,123.16	5	2,764.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,903.63	1/4	4,547.61	1/4	4,190.27	1/4	3,832.46	1/4	3,474.07	1/4	3,115.69	1/4	2,757.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,896.26	1/2	4,540.16	1/2	4,182.83	1/2	3,824.99	1/2	3,466.61	1/2	3,108.23	1/2	2,749.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,888.89	3/4	4,532.72	3/4	4,175.38	3/4	3,817.52	3/4	3,459.14	3/4	3,100.76	3/4	2,742.38
6		6		6		6		6	4,881.51	6	4,525.28	6	4,167.94	6	3,810.06	6	3,451.68	6	3,093.29	6	2,734.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,874.14	1/4	4,517.83	1/4	4,160.49	1/4	3,802.59	1/4	3,444.21	1/4	3,085.83	1/4	2,727.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,866.77	1/2	4,510.39	1/2	4,153.05	1/2	3,795.13	1/2	3,436.74	1/2	3,078.36	1/2	2,719.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,859.40	3/4	4,502.94	3/4	4,145.61	3/4	3,787.66	3/4	3,429.28	3/4	3,070.89	3/4	2,712.51
7		7		7		7		7	4,852.03	7	4,495.50	7	4,138.16	7	3,780.19	7	3,421.81	7	3,063.43	7	2,705.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,844.65	1/4	4,488.05	1/4	4,130.72	1/4	3,772.73	1/4	3,414.34	1/4	3,055.96	1/4	2,697.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,837.28	1/2	4,480.61	1/2	4,123.27	1/2	3,765.26	1/2	3,406.88	1/2	3,048.50	1/2	2,690.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,829.91	3/4	4,473.16	3/4	4,115.83	3/4	3,757.79	3/4	3,399.41	3/4	3,041.03	3/4	2,682.65
8		8		8		8		8	4,822.54	8	4,465.72	8	4,108.38	8	3,750.33	8	3,391.95	8	3,033.56	8	2,675.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,815.17	1/4	4,458.27	1/4	4,100.94	1/4	3,742.86	1/4	3,384.48	1/4	3,026.10	1/4	2,667.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,807.80	1/2	4,450.83	1/2	4,093.49	1/2	3,735.40	1/2	3,377.01	1/2	3,018.63	1/2	2,660.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,800.43	3/4	4,443.39	3/4	4,086.05	3/4	3,727.93	3/4	3,369.55	3/4	3,011.16	3/4	2,652.78
9		9		9		9		9	4,793.06	9	4,435.94	9	4,078.61	9	3,720.46	9	3,362.08	9	3,003.70	9	2,645.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,785.69	1/4	4,428.50	1/4	4,071.16	1/4	3,713.00	1/4	3,354.61	1/4	2,996.23	1/4	2,637.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,778.31	1/2	4,421.05	1/2	4,063.72	1/2	3,705.53	1/2	3,347.15	1/2	2,988.77	1/2	2,630.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,770.94	3/4	4,413.61	3/4	4,056.27	3/4	3,698.06	3/4	3,339.68	3/4	2,981.30	3/4	2,622.92
10		10		10		10		10	4,763.50	10	4,406.16	10	4,048.83	10	3,690.60	10	3,332.21	10	2,973.83	10	2,615.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,756.05	1/4	4,398.72	1/4	4,041.38	1/4	3,683.13	1/4	3,324.75	1/4	2,966.37	1/4	2,607.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,748.61	1/2	4,391.27	1/2	4,033.94	1/2	3,675.66	1/2	3,317.28	1/2	2,958.90	1/2	2,600.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,741.17	3/4	4,383.83	3/4	4,026.49	3/4	3,668.20	3/4	3,309.82	3/4	2,951.43	3/4	2,593.05
11		11		11		11		11	4,733.72	11	4,376.39	11	4,019.05	11	3,660.73	11	3,302.35	11	2,943.97	11	2,585.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,726.28	1/4	4,368.94	1/4	4,011.60	1/4	3,653.27	1/4	3,294.88	1/4	2,936.50	1/4	2,578.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,718.83	1/2	4,361.50	1/2	4,004.16	1/2	3,645.80	1/2	3,287.42	1/2	2,929.03	1/2	2,570.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,711.39	3/4	4,354.05	3/4	3,996.72	3/4	3,638.33	3/4	3,279.95	3/4	2,921.57	3/4	2,563.18

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

1 PORT ULLAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,555.71	0	2,197.23	0	1,838.74	0	1,480.26	0	1,121.81	0	765.84	0	409.29	0	89.73	0		0	
1/4	2,548.24	1/4	2,189.76	1/4	1,831.27	1/4	1,472.79	1/4	1,114.37	1/4	758.37	1/4	402.13	1/4	83.63	1/4		1/4	
1/2	2,540.77	1/2	2,182.29	1/2	1,823.81	1/2	1,465.32	1/2	1,106.93	1/2	750.90	1/2	394.97	1/2	77.53	1/2		1/2	
3/4	2,533.30	3/4	2,174.82	3/4	1,816.34	3/4	1,457.85	3/4	1,099.50	3/4	743.43	3/4	387.80	3/4	71.43	3/4		3/4	
1	2,525.84	1	2,167.35	1	1,808.87	1	1,450.39	1	1,092.06	1	735.96	1	380.73	1	65.45	1		1	
1/4	2,518.37	1/4	2,159.88	1/4	1,801.40	1/4	1,442.92	1/4	1,084.62	1/4	728.50	1/4	373.66	1/4	59.46	1/4		1/4	
1/2	2,510.90	1/2	2,152.42	1/2	1,793.93	1/2	1,435.45	1/2	1,077.19	1/2	721.03	1/2	366.58	1/2	53.48	1/2		1/2	
3/4	2,503.43	3/4	2,144.95	3/4	1,786.46	3/4	1,427.98	3/4	1,069.75	3/4	713.56	3/4	359.51	3/4	47.49	3/4		3/4	
2	2,495.96	2	2,137.48	2	1,779.00	2	1,420.51	2	1,062.33	2	706.09	2	352.52	2	42.49	2		2	
1/4	2,488.49	1/4	2,130.01	1/4	1,771.53	1/4	1,413.04	1/4	1,054.91	1/4	698.62	1/4	345.54	1/4	37.49	1/4		1/4	
1/2	2,481.03	1/2	2,122.54	1/2	1,764.06	1/2	1,405.58	1/2	1,047.50	1/2	691.16	1/2	338.55	1/2	32.49	1/2		1/2	
3/4	2,473.56	3/4	2,115.07	3/4	1,756.59	3/4	1,398.11	3/4	1,040.08	3/4	683.69	3/4	331.56	3/4	27.49	3/4		3/4	
3	2,466.09	3	2,107.61	3	1,749.12	3	1,390.64	3	1,032.67	3	676.22	3	324.66	3	24.44	3		3	
1/4	2,458.62	1/4	2,100.14	1/4	1,741.65	1/4	1,383.17	1/4	1,025.26	1/4	668.75	1/4	317.77	1/4	21.40	1/4		1/4	
1/2	2,451.15	1/2	2,092.67	1/2	1,734.19	1/2	1,375.70	1/2	1,017.85	1/2	661.28	1/2	310.87	1/2	18.35	1/2		1/2	
3/4	2,443.68	3/4	2,085.20	3/4	1,726.72	3/4	1,368.23	3/4	1,010.44	3/4	653.81	3/4	303.97	3/4	15.30	3/4		3/4	
4	2,436.21	4	2,077.73	4	1,719.25	4	1,360.77	4	1,003.03	4	646.35	4	297.16	4		4		4	
1/4	2,428.75	1/4	2,070.26	1/4	1,711.78	1/4	1,353.30	1/4	995.62	1/4	638.88	1/4	290.35	1/4		1/4		1/4	
1/2	2,421.28	1/2	2,062.79	1/2	1,704.31	1/2	1,345.83	1/2	988.21	1/2	631.41	1/2	283.53	1/2		1/2		1/2	
3/4	2,413.81	3/4	2,055.33	3/4	1,696.84	3/4	1,338.36	3/4	980.80	3/4	623.94	3/4	276.72	3/4		3/4		3/4	
5	2,406.34	5	2,047.86	5	1,689.37	5	1,330.89	5	973.39	5	616.47	5	270.00	5		5		5	
1/4	2,398.87	1/4	2,040.39	1/4	1,681.91	1/4	1,323.42	1/4	965.98	1/4	609.00	1/4	263.28	1/4		1/4		1/4	
1/2	2,391.40	1/2	2,032.92	1/2	1,674.44	1/2	1,315.95	1/2	958.57	1/2	601.54	1/2	256.55	1/2		1/2		1/2	
3/4	2,383.94	3/4	2,025.45	3/4	1,666.97	3/4	1,308.49	3/4	951.16	3/4	594.07	3/4	249.83	3/4		3/4		3/4	
6	2,376.47	6	2,017.98	6	1,659.50	6	1,301.02	6	943.75	6	586.61	6	243.19	6		6		6	
1/4	2,369.00	1/4	2,010.52	1/4	1,652.03	1/4	1,293.55	1/4	936.35	1/4	579.14	1/4	236.56	1/4		1/4		1/4	
1/2	2,361.53	1/2	2,003.05	1/2	1,644.56	1/2	1,286.08	1/2	928.94	1/2	571.68	1/2	229.92	1/2		1/2		1/2	
3/4	2,354.06	3/4	1,995.58	3/4	1,637.10	3/4	1,278.61	3/4	921.53	3/4	564.22	3/4	223.29	3/4		3/4		3/4	
7	2,346.59	7	1,988.11	7	1,629.63	7	1,271.14	7	914.12	7	556.75	7	216.74	7		7		7	
1/4	2,339.13	1/4	1,980.64	1/4	1,622.16	1/4	1,263.68	1/4	906.71	1/4	549.29	1/4	210.19	1/4		1/4		1/4	
1/2	2,331.66	1/2	1,973.17	1/2	1,614.69	1/2	1,256.21	1/2	899.30	1/2	541.83	1/2	203.64	1/2		1/2		1/2	
3/4	2,324.19	3/4	1,965.71	3/4	1,607.22	3/4	1,248.74	3/4	891.89	3/4	534.37	3/4	197.09	3/4		3/4		3/4	
8	2,316.72	8	1,958.24	8	1,599.75	8	1,241.27	8	884.48	8	526.90	8	190.63	8		8		8	
1/4	2,309.25	1/4	1,950.77	1/4	1,592.29	1/4	1,233.80	1/4	877.07	1/4	519.43	1/4	184.17	1/4		1/4		1/4	
1/2	2,301.78	1/2	1,943.30	1/2	1,584.82	1/2	1,226.33	1/2	869.66	1/2	511.96	1/2	177.71	1/2		1/2		1/2	
3/4	2,294.32	3/4	1,935.83	3/4	1,577.35	3/4	1,218.87	3/4	862.25	3/4	504.49	3/4	171.25	3/4		3/4		3/4	
9	2,286.85	9	1,928.36	9	1,569.88	9	1,211.40	9	854.84	9	497.07	9	164.88	9		9		9	
1/4	2,279.38	1/4	1,920.90	1/4	1,562.41	1/4	1,203.93	1/4	847.43	1/4	489.64	1/4	158.50	1/4		1/4		1/4	
1/2	2,271.91	1/2	1,913.43	1/2	1,554.94	1/2	1,196.46	1/2	840.02	1/2	482.22	1/2	152.13	1/2		1/2		1/2	
3/4	2,264.44	3/4	1,905.96	3/4	1,547.48	3/4	1,188.99	3/4	832.61	3/4	474.79	3/4	145.76	3/4		3/4		3/4	
10	2,256.97	10	1,898.49	10	1,540.01	10	1,181.52	10	825.20	10	467.46	10	139.47	10		10		10	
1/4	2,249.50	1/4	1,891.02	1/4	1,532.54	1/4	1,174.06	1/4	817.79	1/4	460.12	1/4	133.19	1/4		1/4		1/4	
1/2	2,242.04	1/2	1,883.55	1/2	1,525.07	1/2	1,166.59	1/2	810.39	1/2	452.78	1/2	126.90	1/2		1/2		1/2	
3/4	2,234.57	3/4	1,876.08	3/4	1,517.60	3/4	1,159.12	3/4	802.98	3/4	445.45	3/4	120.62	3/4		3/4		3/4	
11	2,227.10	11	1,868.62	11	1,510.13	11	1,151.65	11	795.56	11	438.20	11	114.42	11		11		11	
1/4	2,219.63	1/4	1,861.15	1/4	1,502.66	1/4	1,144.18	1/4	788.14	1/4	430.95	1/4	108.22	1/4		1/4		1/4	
1/2	2,212.16	1/2	1,853.68	1/2	1,495.20	1/2	1,136.71	1/2	780.72	1/2	423.70	1/2	102.03	1/2		1/2		1/2	
3/4	2,204.69	3/4	1,846.21	3/4	1,487.73	3/4	1,129.24	3/4	773.31	3/4	416.45	3/4	95.83	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29136"

1 STBD ULLAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,709.97	0	4,352.90	0	3,995.83	0	3,637.72	0	3,279.60	0	2,921.48		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.53	1/4	4,345.46	1/4	3,988.37	1/4	3,630.26	1/4	3,272.14	1/4	2,914.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,695.09	1/2	4,338.02	1/2	3,980.91	1/2	3,622.79	1/2	3,264.68	1/2	2,906.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.65	3/4	4,330.59	3/4	3,973.45	3/4	3,615.33	3/4	3,257.22	3/4	2,899.10		
1		1		1		1	5,021.89	1	4,680.21	1	4,323.15	1	3,965.99	1	3,607.87	1	3,249.75	1	2,891.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,016.70	1/4	4,672.77	1/4	4,315.71	1/4	3,958.53	1/4	3,600.41	1/4	3,242.29	1/4	2,884.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,011.51	1/2	4,665.34	1/2	4,308.27	1/2	3,951.07	1/2	3,592.95	1/2	3,234.83	1/2	2,876.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,006.32	3/4	4,657.90	3/4	4,300.83	3/4	3,943.61	3/4	3,585.49	3/4	3,227.37	3/4	2,869.25		
2		2		2		2	5,001.13	2	4,650.46	2	4,293.39	2	3,936.15	2	3,578.03	2	3,219.91	2	2,861.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,994.69	1/4	4,643.02	1/4	4,285.95	1/4	3,928.69	1/4	3,570.57	1/4	3,212.45	1/4	2,854.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,988.26	1/2	4,635.58	1/2	4,278.51	1/2	3,921.23	1/2	3,563.11	1/2	3,204.99	1/2	2,846.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,981.82	3/4	4,627.14	3/4	4,271.07	3/4	3,913.77	3/4	3,555.65	3/4	3,197.53	3/4	2,839.41		
3		3		3		3	4,975.39	3	4,620.70	3	4,263.64	3	3,906.31	3	3,548.19	3	3,190.07	3	2,831.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,968.09	1/4	4,613.26	1/4	4,256.20	1/4	3,898.84	1/4	3,540.73	1/4	3,182.61	1/4	2,824.49		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,960.80	1/2	4,605.82	1/2	4,248.76	1/2	3,891.38	1/2	3,533.27	1/2	3,175.15	1/2	2,817.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,953.50	3/4	4,598.39	3/4	4,241.32	3/4	3,883.92	3/4	3,525.80	3/4	3,167.69	3/4	2,809.57		
4		4		4		4	4,946.20	4	4,590.95	4	4,233.88	4	3,876.46	4	3,518.34	4	3,160.23	4	2,802.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,938.85	1/4	4,583.51	1/4	4,226.44	1/4	3,869.00	1/4	3,510.88	1/4	3,152.76	1/4	2,794.65		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,931.50	1/2	4,576.07	1/2	4,219.00	1/2	3,861.54	1/2	3,503.42	1/2	3,145.30	1/2	2,787.19		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,924.14	3/4	4,568.63	3/4	4,211.56	3/4	3,854.08	3/4	3,495.96	3/4	3,137.84	3/4	2,779.72		
5		5		5		5	4,916.79	5	4,561.19	5	4,204.12	5	3,846.62	5	3,488.50	5	3,130.38	5	2,772.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,909.43	1/4	4,553.75	1/4	4,196.69	1/4	3,839.16	1/4	3,481.04	1/4	3,122.92	1/4	2,764.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,902.07	1/2	4,546.31	1/2	4,189.25	1/2	3,831.70	1/2	3,473.58	1/2	3,115.46	1/2	2,757.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,894.70	3/4	4,538.87	3/4	4,181.81	3/4	3,824.24	3/4	3,466.12	3/4	3,108.00	3/4	2,749.88		
6		6		6		6	4,887.34	6	4,531.44	6	4,174.37	6	3,816.78	6	3,458.66	6	3,100.54	6	2,742.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,879.97	1/4	4,524.00	1/4	4,166.93	1/4	3,809.31	1/4	3,451.20	1/4	3,093.08	1/4	2,734.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,872.60	1/2	4,516.56	1/2	4,159.49	1/2	3,801.85	1/2	3,443.74	1/2	3,085.62	1/2	2,727.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,865.24	3/4	4,509.12	3/4	4,152.05	3/4	3,794.39	3/4	3,436.27	3/4	3,078.16	3/4	2,720.04		
7		7		7		7	4,857.87	7	4,501.68	7	4,144.61	7	3,786.93	7	3,428.81	7	3,070.70	7	2,712.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,850.50	1/4	4,494.24	1/4	4,137.17	1/4	3,779.47	1/4	3,421.35	1/4	3,063.23	1/4	2,705.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,843.14	1/2	4,486.80	1/2	4,129.74	1/2	3,772.01	1/2	3,413.89	1/2	3,055.77	1/2	2,697.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,835.77	3/4	4,479.36	3/4	4,122.30	3/4	3,764.55	3/4	3,406.43	3/4	3,048.31	3/4	2,690.19		
8		8		8		8	4,828.41	8	4,471.92	8	4,114.86	8	3,757.09	8	3,398.97	8	3,040.85	8	2,682.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,821.04	1/4	4,464.49	1/4	4,107.42	1/4	3,749.63	1/4	3,391.51	1/4	3,033.39	1/4	2,675.27		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,813.68	1/2	4,457.05	1/2	4,099.98	1/2	3,742.17	1/2	3,384.05	1/2	3,025.93	1/2	2,667.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,806.31	3/4	4,449.61	3/4	4,092.54	3/4	3,734.71	3/4	3,376.59	3/4	3,018.47	3/4	2,660.35		
9		9		9		9	4,798.94	9	4,442.17	9	4,085.10	9	3,727.25	9	3,369.13	9	3,011.01	9	2,652.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,791.58	1/4	4,434.73	1/4	4,077.66	1/4	3,719.79	1/4	3,361.67	1/4	3,003.55	1/4	2,645.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,784.21	1/2	4,427.29	1/2	4,070.22	1/2	3,712.32	1/2	3,354.21	1/2	2,996.09	1/2	2,637.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,776.85	3/4	4,419.85	3/4	4,062.78	3/4	3,704.86	3/4	3,346.75	3/4	2,988.63	3/4	2,630.51		
10		10		10		10	4,769.48	10	4,412.41	10	4,055.35	10	3,697.40	10	3,339.28	10	2,981.17	10	2,623.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,762.04	1/4	4,404.97	1/4	4,047.91	1/4	3,689.94	1/4	3,331.82	1/4	2,973.71	1/4	2,615.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,754.60	1/2	4,397.54	1/2	4,040.47	1/2	3,682.48	1/2	3,324.36	1/2	2,966.24	1/2	2,608.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,747.16	3/4	4,390.10	3/4	4,033.03	3/4	3,675.02	3/4	3,316.90	3/4	2,958.78	3/4	2,600.67		
11		11		11		11	4,739.72	11	4,382.66	11	4,025.59	11	3,667.56	11	3,309.44	11	2,951.32	11	2,593.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,732.29	1/4	4,375.22	1/4	4,018.15	1/4	3,660.10	1/4	3,301.98	1/4	2,943.86	1/4	2,585.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.85	1/2	4,367.78	1/2	4,010.71	1/2	3,652.64	1/2	3,294.52	1/2	2,936.40	1/2	2,578.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.41	3/4	4,360.34	3/4	4,003.27	3/4	3,645.18	3/4	3,287.06	3/4	2,928.94	3/4	2,570.82		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

1 STBD
ULLAGE TABLE

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

FORMERLY " E2MS 306"

GAUGE HEIGHT 17'-04"

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	2,563.35	0	2,205.13	0	1,846.91	0	1,488.70	0	1,130.48	0	772.76	0	416.11	0	95.75	0		0	
1/4	2,555.89	1/4	2,197.67	1/4	1,839.45	1/4	1,481.23	1/4	1,123.01	1/4	765.29	1/4	408.86	1/4	89.65	1/4		1/4	
1/2	2,548.43	1/2	2,190.21	1/2	1,831.99	1/2	1,473.77	1/2	1,115.55	1/2	757.83	1/2	401.80	1/2	83.56	1/2		1/2	
3/4	2,540.96	3/4	2,182.74	3/4	1,824.53	3/4	1,466.31	3/4	1,108.09	3/4	750.37	3/4	394.65	3/4	77.46	3/4		3/4	
1	2,533.50	1	2,175.28	1	1,817.06	1	1,458.84	1	1,100.62	1	742.91	1	387.49	1	71.37	1		1	
1/4	2,526.04	1/4	2,167.82	1/4	1,809.60	1/4	1,451.38	1/4	1,093.17	1/4	735.44	1/4	380.42	1/4	65.39	1/4		1/4	
1/2	2,518.58	1/2	2,160.36	1/2	1,802.14	1/2	1,443.92	1/2	1,085.71	1/2	727.98	1/2	373.35	1/2	59.41	1/2		1/2	
3/4	2,511.11	3/4	2,152.89	3/4	1,794.67	3/4	1,436.45	3/4	1,078.25	3/4	720.52	3/4	366.28	3/4	53.43	3/4		3/4	
2	2,503.65	2	2,145.43	2	1,787.21	2	1,428.99	2	1,070.80	2	713.05	2	359.22	2	47.45	2		2	
1/4	2,496.19	1/4	2,137.97	1/4	1,779.75	1/4	1,421.53	1/4	1,063.34	1/4	705.59	1/4	352.23	1/4	42.45	1/4		1/4	
1/2	2,488.72	1/2	2,130.50	1/2	1,772.29	1/2	1,414.07	1/2	1,055.88	1/2	698.13	1/2	345.25	1/2	37.45	1/2		1/2	
3/4	2,481.26	3/4	2,123.04	3/4	1,764.82	3/4	1,406.60	3/4	1,048.42	3/4	690.66	3/4	338.27	3/4	32.46	3/4		3/4	
3	2,473.80	3	2,115.58	3	1,757.36	3	1,399.14	3	1,040.97	3	683.20	3	331.29	3	27.46	3		3	
1/4	2,466.34	1/4	2,108.12	1/4	1,749.90	1/4	1,391.68	1/4	1,033.52	1/4	675.74	1/4	324.40	1/4	24.42	1/4		1/4	
1/2	2,458.87	1/2	2,100.65	1/2	1,742.43	1/2	1,384.21	1/2	1,026.07	1/2	668.28	1/2	317.50	1/2	21.38	1/2		1/2	
3/4	2,451.41	3/4	2,093.19	3/4	1,734.97	3/4	1,376.75	3/4	1,018.62	3/4	660.81	3/4	310.61	3/4	18.33	3/4		3/4	
4	2,443.95	4	2,085.73	4	1,727.51	4	1,369.29	4	1,011.17	4	653.35	4	303.72	4	15.29	4		4	
1/4	2,436.48	1/4	2,078.26	1/4	1,720.05	1/4	1,361.83	1/4	1,003.72	1/4	645.89	1/4	296.91	1/4		1/4		1/4	
1/2	2,429.02	1/2	2,070.80	1/2	1,712.58	1/2	1,354.36	1/2	996.27	1/2	638.42	1/2	290.11	1/2		1/2		1/2	
3/4	2,421.56	3/4	2,063.34	3/4	1,705.12	3/4	1,346.90	3/4	988.83	3/4	630.96	3/4	283.30	3/4		3/4		3/4	
5	2,414.09	5	2,055.88	5	1,697.66	5	1,339.44	5	981.38	5	623.50	5	276.49	5		5		5	
1/4	2,406.63	1/4	2,048.41	1/4	1,690.19	1/4	1,331.97	1/4	973.93	1/4	616.04	1/4	269.78	1/4		1/4		1/4	
1/2	2,399.17	1/2	2,040.95	1/2	1,682.73	1/2	1,324.51	1/2	966.48	1/2	608.57	1/2	263.06	1/2		1/2		1/2	
3/4	2,391.71	3/4	2,033.49	3/4	1,675.27	3/4	1,317.05	3/4	959.03	3/4	601.11	3/4	256.34	3/4		3/4		3/4	
6	2,384.24	6	2,026.02	6	1,667.80	6	1,309.59	6	951.58	6	593.65	6	249.62	6		6		6	
1/4	2,376.78	1/4	2,018.56	1/4	1,660.34	1/4	1,302.12	1/4	944.13	1/4	586.18	1/4	242.99	1/4		1/4		1/4	
1/2	2,369.32	1/2	2,011.10	1/2	1,652.88	1/2	1,294.66	1/2	936.69	1/2	578.72	1/2	236.36	1/2		1/2		1/2	
3/4	2,361.85	3/4	2,003.64	3/4	1,645.42	3/4	1,287.20	3/4	929.24	3/4	571.26	3/4	229.73	3/4		3/4		3/4	
7	2,354.39	7	1,996.17	7	1,637.95	7	1,279.73	7	921.79	7	563.80	7	223.10	7		7		7	
1/4	2,346.93	1/4	1,988.71	1/4	1,630.49	1/4	1,272.27	1/4	914.34	1/4	556.33	1/4	216.56	1/4		1/4		1/4	
1/2	2,339.47	1/2	1,981.25	1/2	1,623.03	1/2	1,264.81	1/2	906.89	1/2	548.87	1/2	210.01	1/2		1/2		1/2	
3/4	2,332.00	3/4	1,973.78	3/4	1,615.56	3/4	1,257.35	3/4	899.44	3/4	541.41	3/4	203.47	3/4		3/4		3/4	
8	2,324.54	8	1,966.32	8	1,608.10	8	1,249.88	8	891.99	8	533.94	8	196.93	8		8		8	
1/4	2,317.08	1/4	1,958.86	1/4	1,600.64	1/4	1,242.42	1/4	884.54	1/4	526.48	1/4	190.47	1/4		1/4		1/4	
1/2	2,309.61	1/2	1,951.40	1/2	1,593.18	1/2	1,234.96	1/2	877.10	1/2	519.02	1/2	184.02	1/2		1/2		1/2	
3/4	2,302.15	3/4	1,943.93	3/4	1,585.71	3/4	1,227.49	3/4	869.65	3/4	511.56	3/4	177.56	3/4		3/4		3/4	
9	2,294.69	9	1,936.47	9	1,578.25	9	1,220.03	9	862.20	9	504.09	9	171.10	9		9		9	
1/4	2,287.23	1/4	1,929.01	1/4	1,570.79	1/4	1,212.57	1/4	854.75	1/4	496.67	1/4	164.74	1/4		1/4		1/4	
1/2	2,279.76	1/2	1,921.54	1/2	1,563.32	1/2	1,205.11	1/2	847.30	1/2	489.25	1/2	158.37	1/2		1/2		1/2	
3/4	2,272.30	3/4	1,914.08	3/4	1,555.86	3/4	1,197.64	3/4	839.85	3/4	481.84	3/4	152.00	3/4		3/4		3/4	
10	2,264.84	10	1,906.62	10	1,548.40	10	1,190.18	10	832.40	10	474.42	10	145.63	10		10		10	
1/4	2,257.37	1/4	1,899.15	1/4	1,540.94	1/4	1,182.72	1/4	824.95	1/4	467.08	1/4	139.35	1/4		1/4		1/4	
1/2	2,249.91	1/2	1,891.69	1/2	1,533.47	1/2	1,175.25	1/2	817.51	1/2	459.75	1/2	133.07	1/2		1/2		1/2	
3/4	2,242.45	3/4	1,884.23	3/4	1,526.01	3/4	1,167.79	3/4	810.06	3/4	452.42	3/4	126.79	3/4		3/4		3/4	
11	2,234.99	11	1,876.77	11	1,518.55	11	1,160.33	11	802.61	11	445.09	11	120.51	11		11		11	
1/4	2,227.52	1/4	1,869.30	1/4	1,511.08	1/4	1,152.86	1/4	795.15	1/4	437.85	1/4	114.32	1/4		1/4		1/4	
1/2	2,220.06	1/2	1,861.84	1/2	1,503.62	1/2	1,145.40	1/2	787.68	1/2	430.60	1/2	108.13	1/2		1/2		1/2	
3/4	2,212.60	3/4	1,854.38	3/4	1,496.16	3/4	1,137.94	3/4	780.22	3/4	423.36	3/4	101.94	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29136"

2 PORT ULLAGE TABLE

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

FORMERLY" E2MS 306"

GAUGE HEIGHT 17'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,777.22	0	4,418.75	0	4,060.29	0	3,700.76	0	3,341.24	0	2,981.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,769.76	1/4	4,411.29	1/4	4,052.80	1/4	3,693.27	1/4	3,333.75	1/4	2,974.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,762.29	1/2	4,403.82	1/2	4,045.31	1/2	3,685.78	1/2	3,326.26	1/2	2,966.73		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,754.82	3/4	4,396.35	3/4	4,037.82	3/4	3,678.29	3/4	3,318.77	3/4	2,959.24		
1		1		1		1	5,090.60	1	4,747.35	1	4,388.88	1	4,030.33	1	3,670.80	1	3,311.28	1	2,951.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,085.38	1/4	4,739.88	1/4	4,381.41	1/4	4,022.84	1/4	3,663.31	1/4	3,303.79	1/4	2,944.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,080.17	1/2	4,732.41	1/2	4,373.95	1/2	4,015.34	1/2	3,655.82	1/2	3,296.30	1/2	2,936.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,074.95	3/4	4,724.95	3/4	4,366.48	3/4	4,007.85	3/4	3,648.33	3/4	3,288.81	3/4	2,929.28		
2		2		2		2	5,069.73	2	4,717.48	2	4,359.01	2	4,000.36	2	3,640.84	2	3,281.32	2	2,921.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,063.27	1/4	4,710.01	1/4	4,351.54	1/4	3,992.87	1/4	3,633.35	1/4	3,273.83	1/4	2,914.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,056.80	1/2	4,702.54	1/2	4,344.07	1/2	3,985.38	1/2	3,625.86	1/2	3,266.33	1/2	2,906.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,050.33	3/4	4,695.07	3/4	4,336.61	3/4	3,977.89	3/4	3,618.37	3/4	3,258.84	3/4	2,899.32		
3		3		3		3	5,043.87	3	4,687.61	3	4,329.14	3	3,970.40	3	3,610.88	3	3,251.35	3	2,891.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,036.54	1/4	4,680.14	1/4	4,321.67	1/4	3,962.91	1/4	3,603.39	1/4	3,243.86	1/4	2,884.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,029.21	1/2	4,672.67	1/2	4,314.20	1/2	3,955.42	1/2	3,595.90	1/2	3,236.37	1/2	2,876.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,021.88	3/4	4,665.20	3/4	4,306.73	3/4	3,947.93	3/4	3,588.41	3/4	3,228.88	3/4	2,869.36		
4		4		4		4	5,014.54	4	4,657.73	4	4,299.26	4	3,940.44	4	3,580.92	4	3,221.39	4	2,861.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,007.16	1/4	4,650.27	1/4	4,291.80	1/4	3,932.95	1/4	3,573.43	1/4	3,213.90	1/4	2,854.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,999.77	1/2	4,642.80	1/2	4,284.33	1/2	3,925.46	1/2	3,565.94	1/2	3,206.41	1/2	2,846.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,992.38	3/4	4,635.33	3/4	4,276.86	3/4	3,917.97	3/4	3,558.45	3/4	3,198.92	3/4	2,839.40		
5		5		5		5	4,984.99	5	4,627.86	5	4,269.39	5	3,910.48	5	3,550.96	5	3,191.43	5	2,831.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,977.60	1/4	4,620.39	1/4	4,261.92	1/4	3,902.99	1/4	3,543.47	1/4	3,183.94	1/4	2,824.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,970.20	1/2	4,612.92	1/2	4,254.46	1/2	3,895.50	1/2	3,535.98	1/2	3,176.45	1/2	2,816.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,962.80	3/4	4,605.46	3/4	4,246.99	3/4	3,888.01	3/4	3,528.49	3/4	3,168.96	3/4	2,809.44		
6		6		6		6	4,955.40	6	4,597.99	6	4,239.52	6	3,880.52	6	3,521.00	6	3,161.47	6	2,801.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,948.00	1/4	4,590.52	1/4	4,232.05	1/4	3,873.03	1/4	3,513.51	1/4	3,153.98	1/4	2,794.46		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,940.60	1/2	4,583.05	1/2	4,224.58	1/2	3,865.54	1/2	3,506.02	1/2	3,146.49	1/2	2,786.97		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,933.20	3/4	4,575.58	3/4	4,217.12	3/4	3,858.05	3/4	3,498.53	3/4	3,139.00	3/4	2,779.48		
7		7		7		7	4,925.79	7	4,568.12	7	4,209.65	7	3,850.56	7	3,491.04	7	3,131.51	7	2,771.99		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,918.39	1/4	4,560.65	1/4	4,202.18	1/4	3,843.07	1/4	3,483.55	1/4	3,124.02	1/4	2,764.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,910.99	1/2	4,553.18	1/2	4,194.71	1/2	3,835.58	1/2	3,476.06	1/2	3,116.53	1/2	2,757.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,903.59	3/4	4,545.71	3/4	4,187.24	3/4	3,828.09	3/4	3,468.57	3/4	3,109.04	3/4	2,749.52		
8		8		8		8	4,896.18	8	4,538.24	8	4,179.78	8	3,820.60	8	3,461.08	8	3,101.55	8	2,742.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,888.78	1/4	4,530.78	1/4	4,172.31	1/4	3,813.11	1/4	3,453.59	1/4	3,094.06	1/4	2,734.54		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,881.38	1/2	4,523.31	1/2	4,164.84	1/2	3,805.62	1/2	3,446.10	1/2	3,086.57	1/2	2,727.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,873.98	3/4	4,515.84	3/4	4,157.37	3/4	3,798.13	3/4	3,438.61	3/4	3,079.08	3/4	2,719.56		
9		9		9		9	4,866.58	9	4,508.37	9	4,149.90	9	3,790.64	9	3,431.12	9	3,071.59	9	2,712.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,859.17	1/4	4,500.90	1/4	4,142.43	1/4	3,783.15	1/4	3,423.63	1/4	3,064.10	1/4	2,704.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,851.77	1/2	4,493.44	1/2	4,134.97	1/2	3,775.66	1/2	3,416.14	1/2	3,056.61	1/2	2,697.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,844.37	3/4	4,485.97	3/4	4,127.50	3/4	3,768.17	3/4	3,408.65	3/4	3,049.12	3/4	2,689.60		
10		10		10		10	4,836.97	10	4,478.50	10	4,120.03	10	3,760.68	10	3,401.16	10	3,041.63	10	2,682.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,829.50	1/4	4,471.03	1/4	4,112.56	1/4	3,753.19	1/4	3,393.67	1/4	3,034.14	1/4	2,674.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,822.03	1/2	4,463.56	1/2	4,105.09	1/2	3,745.70	1/2	3,386.18	1/2	3,026.65	1/2	2,667.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,814.56	3/4	4,456.09	3/4	4,097.63	3/4	3,738.21	3/4	3,378.69	3/4	3,019.16	3/4	2,659.64		
11		11		11		11	4,807.10	11	4,448.63	11	4,090.16	11	3,730.72	11	3,371.20	11	3,011.67	11	2,652.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,799.63	1/4	4,441.16	1/4	4,082.69	1/4	3,723.23	1/4	3,363.71	1/4	3,004.18	1/4	2,644.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,792.16	1/2	4,433.69	1/2	4,075.22	1/2	3,715.74	1/2	3,356.22	1/2	2,996.69	1/2	2,637.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,784.69	3/4	4,426.22	3/4	4,067.75	3/4	3,708.25	3/4	3,348.73	3/4	2,989.20	3/4	2,629.68		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

2 PORT ULLAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-04"

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	2,622.19	0	2,262.66	0	1,903.14	0	1,543.61	0	1,184.09	0	839.06	0	479.53	0	120.02	0		0	
1/4	2,614.70	1/4	2,255.17	1/4	1,895.65	1/4	1,536.12	1/4	1,176.88	1/4	831.57	1/4	472.04	1/4	112.54	1/4		1/4	
1/2	2,607.21	1/2	2,247.68	1/2	1,888.16	1/2	1,528.63	1/2	1,169.67	1/2	824.08	1/2	464.55	1/2	105.06	1/2		1/2	
3/4	2,599.72	3/4	2,240.19	3/4	1,880.67	3/4	1,521.14	3/4	1,162.47	3/4	816.59	3/4	457.06	3/4	97.58	3/4		3/4	
1	2,592.23	1	2,232.70	1	1,873.18	1	1,513.65	1	1,155.26	1	809.10	1	449.57	1	90.10	1		1	
1/4	2,584.74	1/4	2,225.21	1/4	1,865.69	1/4	1,506.16	1/4	1,148.07	1/4	801.61	1/4	442.08	1/4	82.64	1/4		1/4	
1/2	2,577.25	1/2	2,217.72	1/2	1,858.20	1/2	1,498.67	1/2	1,140.88	1/2	794.12	1/2	434.59	1/2	75.19	1/2		1/2	
3/4	2,569.76	3/4	2,210.23	3/4	1,850.71	3/4	1,491.18	3/4	1,133.69	3/4	786.63	3/4	427.10	3/4	67.74	3/4		3/4	
2	2,562.27	2	2,202.74	2	1,843.22	2	1,483.69	2	1,126.49	2	779.14	2	419.61	2	60.28	2		2	
1/4	2,554.78	1/4	2,195.25	1/4	1,835.73	1/4	1,476.20	1/4	1,119.30	1/4	771.65	1/4	412.12	1/4	53.73	1/4		1/4	
1/2	2,547.29	1/2	2,187.76	1/2	1,828.24	1/2	1,468.71	1/2	1,112.11	1/2	764.16	1/2	404.63	1/2	47.18	1/2		1/2	
3/4	2,539.80	3/4	2,180.27	3/4	1,820.75	3/4	1,461.22	3/4	1,104.92	3/4	756.67	3/4	397.14	3/4	40.63	3/4		3/4	
3	2,532.31	3	2,172.78	3	1,813.26	3	1,453.73	3	1,097.73	3	749.18	3	389.65	3	34.07	3		3	
1/4	2,524.82	1/4	2,165.29	1/4	1,805.77	1/4	1,446.24	1/4	1,090.55	1/4	741.69	1/4	382.16	1/4	29.39	1/4		1/4	
1/2	2,517.32	1/2	2,157.80	1/2	1,798.28	1/2	1,438.75	1/2	1,083.36	1/2	734.20	1/2	374.67	1/2	24.71	1/2		1/2	
3/4	2,509.83	3/4	2,150.31	3/4	1,790.79	3/4	1,431.26	3/4	1,076.18	3/4	726.71	3/4	367.18	3/4	20.03	3/4		3/4	
4	2,502.34	4	2,142.82	4	1,783.30	4	1,423.77	4	1,069.00	4	719.22	4	359.69	4	15.35	4		4	
1/4	2,494.85	1/4	2,135.33	1/4	1,775.81	1/4	1,416.28	1/4	1,061.82	1/4	711.73	1/4	352.20	1/4		1/4		1/4	
1/2	2,487.36	1/2	2,127.84	1/2	1,768.32	1/2	1,408.79	1/2	1,054.63	1/2	704.24	1/2	344.71	1/2		1/2		1/2	
3/4	2,479.87	3/4	2,120.35	3/4	1,760.82	3/4	1,401.30	3/4	1,047.45	3/4	696.75	3/4	337.22	3/4		3/4		3/4	
5	2,472.38	5	2,112.86	5	1,753.33	5	1,393.81	5	1,040.27	5	689.26	5	329.73	5	5	5		5	
1/4	2,464.89	1/4	2,105.37	1/4	1,745.84	1/4	1,386.32	1/4	1,033.09	1/4	681.77	1/4	322.24	1/4		1/4		1/4	
1/2	2,457.40	1/2	2,097.88	1/2	1,738.35	1/2	1,378.83	1/2	1,025.90	1/2	674.28	1/2	314.75	1/2		1/2		1/2	
3/4	2,449.91	3/4	2,090.39	3/4	1,730.86	3/4	1,371.34	3/4	1,018.72	3/4	666.79	3/4	307.26	3/4		3/4		3/4	
6	2,442.42	6	2,082.90	6	1,723.37	6	1,363.85	6	1,011.54	6	659.30	6	299.77	6	6	6		6	
1/4	2,434.93	1/4	2,075.41	1/4	1,715.88	1/4	1,356.36	1/4	1,004.35	1/4	651.81	1/4	292.28	1/4		1/4		1/4	
1/2	2,427.44	1/2	2,067.92	1/2	1,708.39	1/2	1,348.87	1/2	997.17	1/2	644.32	1/2	284.79	1/2		1/2		1/2	
3/4	2,419.95	3/4	2,060.43	3/4	1,700.90	3/4	1,341.38	3/4	989.99	3/4	636.83	3/4	277.30	3/4		3/4		3/4	
7	2,412.46	7	2,052.94	7	1,693.41	7	1,333.89	7	982.81	7	629.34	7	269.81	7	7	7		7	
1/4	2,404.97	1/4	2,045.45	1/4	1,685.92	1/4	1,326.40	1/4	975.62	1/4	621.85	1/4	262.32	1/4		1/4		1/4	
1/2	2,397.48	1/2	2,037.96	1/2	1,678.43	1/2	1,318.91	1/2	968.44	1/2	614.36	1/2	254.83	1/2		1/2		1/2	
3/4	2,389.99	3/4	2,030.47	3/4	1,670.94	3/4	1,311.42	3/4	961.26	3/4	606.87	3/4	247.34	3/4		3/4		3/4	
8	2,382.50	8	2,022.98	8	1,663.45	8	1,303.93	8	954.08	8	599.38	8	239.85	8	8	8		8	
1/4	2,375.01	1/4	2,015.49	1/4	1,655.96	1/4	1,296.44	1/4	946.89	1/4	591.89	1/4	232.36	1/4		1/4		1/4	
1/2	2,367.52	1/2	2,008.00	1/2	1,648.47	1/2	1,288.95	1/2	939.71	1/2	584.40	1/2	224.87	1/2		1/2		1/2	
3/4	2,360.03	3/4	2,000.51	3/4	1,640.98	3/4	1,281.46	3/4	932.53	3/4	576.91	3/4	217.38	3/4		3/4		3/4	
9	2,352.54	9	1,993.02	9	1,633.49	9	1,273.97	9	925.34	9	569.42	9	209.89	9	9	9		9	
1/4	2,345.05	1/4	1,985.53	1/4	1,626.00	1/4	1,266.48	1/4	918.16	1/4	561.93	1/4	202.40	1/4		1/4		1/4	
1/2	2,337.56	1/2	1,978.04	1/2	1,618.51	1/2	1,258.99	1/2	910.98	1/2	554.43	1/2	194.91	1/2		1/2		1/2	
3/4	2,330.07	3/4	1,970.55	3/4	1,611.02	3/4	1,251.50	3/4	903.80	3/4	546.94	3/4	187.42	3/4		3/4		3/4	
10	2,322.58	10	1,963.06	10	1,603.53	10	1,244.01	10	896.61	10	539.45	10	179.93	10	10	10		10	
1/4	2,315.09	1/4	1,955.57	1/4	1,596.04	1/4	1,236.52	1/4	889.43	1/4	531.96	1/4	172.44	1/4		1/4		1/4	
1/2	2,307.60	1/2	1,948.08	1/2	1,588.55	1/2	1,229.03	1/2	882.25	1/2	524.47	1/2	164.95	1/2		1/2		1/2	
3/4	2,300.11	3/4	1,940.59	3/4	1,581.06	3/4	1,221.54	3/4	875.07	3/4	516.98	3/4	157.46	3/4		3/4		3/4	
11	2,292.62	11	1,933.10	11	1,573.57	11	1,214.05	11	867.88	11	509.49	11	149.97	11	11	11		11	
1/4	2,285.13	1/4	1,925.61	1/4	1,566.08	1/4	1,206.56	1/4	860.68	1/4	502.00	1/4	142.48	1/4		1/4		1/4	
1/2	2,277.64	1/2	1,918.12	1/2	1,558.59	1/2	1,199.07	1/2	853.47	1/2	494.51	1/2	134.99	1/2		1/2		1/2	
3/4	2,270.15	3/4	1,910.63	3/4	1,551.10	3/4	1,191.58	3/4	846.26	3/4	487.02	3/4	127.50	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29136"

2 STBD ULLAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,775.68	0	4,417.30	0	4,058.87	0	3,699.45	0	3,340.04	0	2,980.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,768.22	1/4	4,409.83	1/4	4,051.38	1/4	3,691.96	1/4	3,332.55	1/4	2,973.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,103.69	1/2	4,760.75	1/2	4,402.36	1/2	4,043.89	1/2	3,684.48	1/2	3,325.06	1/2	2,965.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,098.48	3/4	4,753.28	3/4	4,394.90	3/4	4,036.40	3/4	3,676.99	3/4	3,317.57	3/4	2,958.16
1		1		1		1		1	5,093.27	1	4,745.82	1	4,387.43	1	4,028.91	1	3,669.50	1	3,310.09	1	2,950.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,088.06	1/4	4,738.35	1/4	4,379.96	1/4	4,021.43	1/4	3,662.01	1/4	3,302.60	1/4	2,943.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,082.85	1/2	4,730.88	1/2	4,372.50	1/2	4,013.94	1/2	3,654.52	1/2	3,295.11	1/2	2,935.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,076.39	3/4	4,723.42	3/4	4,365.03	3/4	4,006.45	3/4	3,647.04	3/4	3,287.62	3/4	2,928.21
2		2		2		2		2	5,069.93	2	4,715.95	2	4,357.56	2	3,998.96	2	3,639.55	2	3,280.13	2	2,920.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,063.48	1/4	4,708.49	1/4	4,350.10	1/4	3,991.48	1/4	3,632.06	1/4	3,272.65	1/4	2,913.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,057.02	1/2	4,701.02	1/2	4,342.63	1/2	3,983.99	1/2	3,624.57	1/2	3,265.16	1/2	2,905.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,049.69	3/4	4,693.55	3/4	4,335.17	3/4	3,976.50	3/4	3,617.09	3/4	3,257.67	3/4	2,898.26
3		3		3		3		3	5,042.37	3	4,686.09	3	4,327.70	3	3,969.01	3	3,609.60	3	3,250.18	3	2,890.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,035.05	1/4	4,678.62	1/4	4,320.23	1/4	3,961.52	1/4	3,602.11	1/4	3,242.70	1/4	2,883.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,027.72	1/2	4,671.15	1/2	4,312.77	1/2	3,954.04	1/2	3,594.62	1/2	3,235.21	1/2	2,875.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,020.34	3/4	4,663.69	3/4	4,305.30	3/4	3,946.55	3/4	3,587.13	3/4	3,227.72	3/4	2,868.31
4		4		4		4		4	5,012.96	4	4,656.22	4	4,297.83	4	3,939.06	4	3,579.65	4	3,220.23	4	2,860.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,005.58	1/4	4,648.75	1/4	4,290.37	1/4	3,931.57	1/4	3,572.16	1/4	3,212.74	1/4	2,853.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,998.20	1/2	4,641.29	1/2	4,282.90	1/2	3,924.09	1/2	3,564.67	1/2	3,205.26	1/2	2,845.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,990.81	3/4	4,633.82	3/4	4,275.43	3/4	3,916.60	3/4	3,557.18	3/4	3,197.77	3/4	2,838.35
5		5		5		5		5	4,983.42	5	4,626.36	5	4,267.97	5	3,909.11	5	3,549.70	5	3,190.28	5	2,830.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,976.03	1/4	4,618.89	1/4	4,260.50	1/4	3,901.62	1/4	3,542.21	1/4	3,182.79	1/4	2,823.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,968.63	1/2	4,611.42	1/2	4,253.04	1/2	3,894.13	1/2	3,534.72	1/2	3,175.31	1/2	2,815.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,961.24	3/4	4,603.96	3/4	4,245.57	3/4	3,886.65	3/4	3,527.23	3/4	3,167.82	3/4	2,808.40
6		6		6		6		6	4,953.84	6	4,596.49	6	4,238.10	6	3,879.16	6	3,519.74	6	3,160.33	6	2,800.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,946.45	1/4	4,589.02	1/4	4,230.64	1/4	3,871.67	1/4	3,512.26	1/4	3,152.84	1/4	2,793.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,939.05	1/2	4,581.56	1/2	4,223.17	1/2	3,864.18	1/2	3,504.77	1/2	3,145.35	1/2	2,785.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,931.66	3/4	4,574.09	3/4	4,215.70	3/4	3,856.70	3/4	3,497.28	3/4	3,137.87	3/4	2,778.45
7		7		7		7		7	4,924.27	7	4,566.62	7	4,208.24	7	3,849.21	7	3,489.79	7	3,130.38	7	2,770.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,916.88	1/4	4,559.16	1/4	4,200.77	1/4	3,841.72	1/4	3,482.31	1/4	3,122.89	1/4	2,763.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,909.49	1/2	4,551.69	1/2	4,193.30	1/2	3,834.23	1/2	3,474.82	1/2	3,115.40	1/2	2,755.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,902.09	3/4	4,544.22	3/4	4,185.84	3/4	3,826.74	3/4	3,467.33	3/4	3,107.92	3/4	2,748.50
8		8		8		8		8	4,894.70	8	4,536.76	8	4,178.37	8	3,819.26	8	3,459.84	8	3,100.43	8	2,741.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,887.31	1/4	4,529.29	1/4	4,170.90	1/4	3,811.77	1/4	3,452.35	1/4	3,092.94	1/4	2,733.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,879.92	1/2	4,521.83	1/2	4,163.44	1/2	3,804.28	1/2	3,444.87	1/2	3,085.45	1/2	2,726.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,872.52	3/4	4,514.36	3/4	4,155.97	3/4	3,796.79	3/4	3,437.38	3/4	3,077.96	3/4	2,718.55
9		9		9		9		9	4,865.13	9	4,506.89	9	4,148.51	9	3,789.31	9	3,429.89	9	3,070.48	9	2,711.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,857.74	1/4	4,499.43	1/4	4,141.04	1/4	3,781.82	1/4	3,422.40	1/4	3,062.99	1/4	2,703.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,850.35	1/2	4,491.96	1/2	4,133.57	1/2	3,774.33	1/2	3,414.92	1/2	3,055.50	1/2	2,696.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,842.88	3/4	4,484.49	3/4	4,126.11	3/4	3,766.84	3/4	3,407.43	3/4	3,048.01	3/4	2,688.60
10		10		10		10		10	4,835.41	10	4,477.03	10	4,118.64	10	3,759.35	10	3,399.94	10	3,040.53	10	2,681.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,827.95	1/4	4,469.56	1/4	4,111.17	1/4	3,751.87	1/4	3,392.45	1/4	3,033.04	1/4	2,673.62
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,820.48	1/2	4,462.09	1/2	4,103.71	1/2	3,744.38	1/2	3,384.96	1/2	3,025.55	1/2	2,666.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,813.02	3/4	4,454.63	3/4	4,096.24	3/4	3,736.89	3/4	3,377.48	3/4	3,018.06	3/4	2,658.65
11		11		11		11		11	4,805.55	11	4,447.16	11	4,088.77	11	3,729.40	11	3,369.99	11	3,010.57	11	2,651.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,798.08	1/4	4,439.70	1/4	4,081.31	1/4	3,721.91	1/4	3,362.50	1/4	3,003.09	1/4	2,643.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,790.62	1/2	4,432.23	1/2	4,073.84	1/2	3,714.43	1/2	3,355.01	1/2	2,995.60	1/2	2,636.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,783.15	3/4	4,424.76	3/4	4,066.35	3/4	3,706.94	3/4	3,347.52	3/4	2,988.11	3/4	2,628.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

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



BARGE "CTC 29136"

2 STBD ULLAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,621.19	0	2,261.67	0	1,902.14	0	1,542.62	0	1,183.10	0	824.08	0	464.55	0	105.05	0		0	
1/4	2,613.70	1/4	2,254.18	1/4	1,894.65	1/4	1,535.13	1/4	1,175.61	1/4	816.59	1/4	457.06	1/4	97.57	1/4		1/4	
1/2	2,606.21	1/2	2,246.69	1/2	1,887.16	1/2	1,527.64	1/2	1,168.12	1/2	809.10	1/2	449.57	1/2	90.09	1/2		1/2	
3/4	2,598.72	3/4	2,239.20	3/4	1,879.67	3/4	1,520.15	3/4	1,160.63	3/4	801.61	3/4	442.08	3/4	82.64	3/4		3/4	
1	2,591.23	1	2,231.71	1	1,872.18	1	1,512.66	1	1,153.15	1	794.12	1	434.59	1	75.19	1		1	
1/4	2,583.74	1/4	2,224.22	1/4	1,864.69	1/4	1,505.17	1/4	1,145.66	1/4	786.63	1/4	427.10	1/4	67.73	1/4		1/4	
1/2	2,576.25	1/2	2,216.73	1/2	1,857.20	1/2	1,497.68	1/2	1,138.18	1/2	779.14	1/2	419.61	1/2	60.28	1/2		1/2	
3/4	2,568.76	3/4	2,209.24	3/4	1,849.71	3/4	1,490.19	3/4	1,130.69	3/4	771.65	3/4	412.12	3/4	53.73	3/4		3/4	
2	2,561.27	2	2,201.75	2	1,842.22	2	1,482.70	2	1,123.21	2	764.16	2	404.63	2	47.17	2		2	
1/4	2,553.78	1/4	2,194.26	1/4	1,834.73	1/4	1,475.21	1/4	1,115.72	1/4	756.67	1/4	397.14	1/4	40.62	1/4		1/4	
1/2	2,546.29	1/2	2,186.77	1/2	1,827.24	1/2	1,467.72	1/2	1,108.24	1/2	749.18	1/2	389.65	1/2	34.07	1/2		1/2	
3/4	2,538.80	3/4	2,179.28	3/4	1,819.75	3/4	1,460.23	3/4	1,100.76	3/4	741.69	3/4	382.16	3/4	29.39	3/4		3/4	
3	2,531.31	3	2,171.79	3	1,812.26	3	1,452.74	3	1,093.29	3	734.19	3	374.67	3	24.71	3		3	
1/4	2,523.82	1/4	2,164.30	1/4	1,804.77	1/4	1,445.25	1/4	1,085.81	1/4	726.70	1/4	367.18	1/4	20.03	1/4		1/4	
1/2	2,516.33	1/2	2,156.81	1/2	1,797.28	1/2	1,437.76	1/2	1,078.34	1/2	719.21	1/2	359.69	1/2	15.35	1/2		1/2	
3/4	2,508.84	3/4	2,149.32	3/4	1,789.79	3/4	1,430.27	3/4	1,070.86	3/4	711.72	3/4	352.20	3/4		3/4		3/4	
4	2,501.35	4	2,141.83	4	1,782.30	4	1,422.78	4	1,063.39	4	704.23	4	344.71	4		4		4	
1/4	2,493.86	1/4	2,134.34	1/4	1,774.81	1/4	1,415.29	1/4	1,055.91	1/4	696.74	1/4	337.22	1/4		1/4		1/4	
1/2	2,486.37	1/2	2,126.85	1/2	1,767.32	1/2	1,407.80	1/2	1,048.43	1/2	689.25	1/2	329.73	1/2		1/2		1/2	
3/4	2,478.88	3/4	2,119.36	3/4	1,759.83	3/4	1,400.31	3/4	1,040.96	3/4	681.76	3/4	322.24	3/4		3/4		3/4	
5	2,471.39	5	2,111.87	5	1,752.34	5	1,392.82	5	1,033.48	5	674.27	5	314.75	5		5		5	
1/4	2,463.90	1/4	2,104.38	1/4	1,744.85	1/4	1,385.33	1/4	1,026.01	1/4	666.78	1/4	307.26	1/4		1/4		1/4	
1/2	2,456.41	1/2	2,096.89	1/2	1,737.36	1/2	1,377.84	1/2	1,018.53	1/2	659.29	1/2	299.77	1/2		1/2		1/2	
3/4	2,448.92	3/4	2,089.40	3/4	1,729.87	3/4	1,370.35	3/4	1,011.06	3/4	651.80	3/4	292.28	3/4		3/4		3/4	
6	2,441.43	6	2,081.91	6	1,722.38	6	1,362.86	6	1,003.58	6	644.31	6	284.79	6		6		6	
1/4	2,433.94	1/4	2,074.42	1/4	1,714.89	1/4	1,355.37	1/4	996.10	1/4	636.82	1/4	277.30	1/4		1/4		1/4	
1/2	2,426.45	1/2	2,066.93	1/2	1,707.40	1/2	1,347.88	1/2	988.63	1/2	629.33	1/2	269.81	1/2		1/2		1/2	
3/4	2,418.96	3/4	2,059.44	3/4	1,699.91	3/4	1,340.39	3/4	981.15	3/4	621.84	3/4	262.32	3/4		3/4		3/4	
7	2,411.47	7	2,051.95	7	1,692.42	7	1,332.90	7	973.68	7	614.35	7	254.83	7		7		7	
1/4	2,403.98	1/4	2,044.46	1/4	1,684.93	1/4	1,325.41	1/4	966.20	1/4	606.86	1/4	247.34	1/4		1/4		1/4	
1/2	2,396.49	1/2	2,036.97	1/2	1,677.44	1/2	1,317.92	1/2	958.73	1/2	599.37	1/2	239.85	1/2		1/2		1/2	
3/4	2,389.00	3/4	2,029.48	3/4	1,669.95	3/4	1,310.43	3/4	951.25	3/4	591.88	3/4	232.36	3/4		3/4		3/4	
8	2,381.51	8	2,021.99	8	1,662.46	8	1,302.94	8	943.77	8	584.39	8	224.87	8		8		8	
1/4	2,374.02	1/4	2,014.50	1/4	1,654.97	1/4	1,295.45	1/4	936.30	1/4	576.90	1/4	217.38	1/4		1/4		1/4	
1/2	2,366.53	1/2	2,007.01	1/2	1,647.48	1/2	1,287.96	1/2	928.82	1/2	569.41	1/2	209.89	1/2		1/2		1/2	
3/4	2,359.04	3/4	1,999.52	3/4	1,639.99	3/4	1,280.47	3/4	921.35	3/4	561.92	3/4	202.40	3/4		3/4		3/4	
9	2,351.55	9	1,992.03	9	1,632.50	9	1,272.98	9	913.87	9	554.43	9	194.91	9		9		9	
1/4	2,344.06	1/4	1,984.54	1/4	1,625.01	1/4	1,265.49	1/4	906.40	1/4	546.94	1/4	187.42	1/4		1/4		1/4	
1/2	2,336.57	1/2	1,977.05	1/2	1,617.52	1/2	1,258.00	1/2	898.92	1/2	539.45	1/2	179.93	1/2		1/2		1/2	
3/4	2,329.08	3/4	1,969.56	3/4	1,610.03	3/4	1,250.51	3/4	891.44	3/4	531.96	3/4	172.44	3/4		3/4		3/4	
10	2,321.59	10	1,962.07	10	1,602.54	10	1,243.02	10	883.97	10	524.47	10	164.95	10		10		10	
1/4	2,314.10	1/4	1,954.58	1/4	1,595.05	1/4	1,235.53	1/4	876.49	1/4	516.98	1/4	157.46	1/4		1/4		1/4	
1/2	2,306.61	1/2	1,947.09	1/2	1,587.56	1/2	1,228.04	1/2	869.02	1/2	509.49	1/2	149.97	1/2		1/2		1/2	
3/4	2,299.12	3/4	1,939.60	3/4	1,580.07	3/4	1,220.55	3/4	861.53	3/4	502.00	3/4	142.48	3/4		3/4		3/4	
11	2,291.63	11	1,932.11	11	1,572.58	11	1,213.06	11	854.04	11	494.51	11	134.99	11		11		11	
1/4	2,284.14	1/4	1,924.62	1/4	1,565.09	1/4	1,205.57	1/4	846.55	1/4	487.02	1/4	127.50	1/4		1/4		1/4	
1/2	2,276.65	1/2	1,917.13	1/2	1,557.60	1/2	1,198.08	1/2	839.06	1/2	479.53	1/2	120.01	1/2		1/2		1/2	
3/4	2,269.16	3/4	1,909.64	3/4	1,550.11	3/4	1,190.59	3/4	831.57	3/4	472.04	3/4	112.53	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

3 PORT ULLAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,252.87	0	4,034.10	0	3,815.33	0	3,595.95	0	3,306.38	0	2,950.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,248.31	1/4	4,029.55	1/4	3,810.75	1/4	3,591.38	1/4	3,298.99	1/4	2,943.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,243.75	1/2	4,024.99	1/2	3,806.18	1/2	3,586.81	1/2	3,291.60	1/2	2,935.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,448.55	3/4	4,239.19	3/4	4,020.43	3/4	3,801.61	3/4	3,582.23	3/4	3,282.35		
1		1		1		1		1	4,445.37	1	4,234.64	1	4,015.87	1	3,797.04	1	3,577.66	1	3,276.81	1	2,920.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,442.19	1/4	4,230.08	1/4	4,011.31	1/4	3,792.47	1/4	3,573.09	1/4	3,269.42	1/4	2,913.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,439.01	1/2	4,225.52	1/2	4,006.76	1/2	3,787.90	1/2	3,568.52	1/2	3,262.03	1/2	2,906.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,435.83	3/4	4,220.96	3/4	4,002.20	3/4	3,783.33	3/4	3,563.95	3/4	3,254.63	3/4	2,898.67
2		2		2		2		2	4,431.89	2	4,216.41	2	3,997.64	2	3,778.76	2	3,559.38	2	3,247.24	2	2,891.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,427.94	1/4	4,211.85	1/4	3,993.08	1/4	3,774.19	1/4	3,554.81	1/4	3,239.85	1/4	2,883.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,424.00	1/2	4,207.29	1/2	3,988.53	1/2	3,769.62	1/2	3,550.24	1/2	3,232.46	1/2	2,876.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,420.06	3/4	4,202.73	3/4	3,983.97	3/4	3,765.05	3/4	3,545.67	3/4	3,225.06	3/4	2,868.98
3		3		3		3		3	4,415.59	3	4,198.18	3	3,979.41	3	3,760.48	3	3,540.86	3	3,217.67	3	2,861.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,411.12	1/4	4,193.62	1/4	3,974.85	1/4	3,755.91	1/4	3,536.05	1/4	3,210.28	1/4	2,854.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,406.65	1/2	4,189.06	1/2	3,970.30	1/2	3,751.34	1/2	3,531.24	1/2	3,202.89	1/2	2,846.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,402.18	3/4	4,184.50	3/4	3,965.74	3/4	3,746.77	3/4	3,526.43	3/4	3,195.49	3/4	2,839.30
4		4		4		4		4	4,397.67	4	4,179.95	4	3,961.18	4	3,742.20	4	3,521.18	4	3,188.07	4	2,831.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,393.17	1/4	4,175.39	1/4	3,956.62	1/4	3,737.63	1/4	3,515.93	1/4	3,180.65	1/4	2,824.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,388.66	1/2	4,170.83	1/2	3,952.07	1/2	3,733.06	1/2	3,510.68	1/2	3,173.23	1/2	2,817.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,384.16	3/4	4,166.27	3/4	3,947.51	3/4	3,728.49	3/4	3,505.43	3/4	3,165.81	3/4	2,809.62
5		5		5		5		5	4,379.64	5	4,161.72	5	3,942.95	5	3,723.92	5	3,499.70	5	3,158.39	5	2,802.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,375.13	1/4	4,157.16	1/4	3,938.39	1/4	3,719.35	1/4	3,493.97	1/4	3,150.97	1/4	2,794.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,370.61	1/2	4,152.60	1/2	3,933.84	1/2	3,714.78	1/2	3,488.23	1/2	3,143.55	1/2	2,787.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,366.10	3/4	4,148.04	3/4	3,929.28	3/4	3,710.21	3/4	3,482.50	3/4	3,136.13	3/4	2,779.93
6		6		6		6		6	4,361.59	6	4,143.49	6	3,924.72	6	3,705.64	6	3,476.31	6	3,128.71	6	2,772.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.07	1/4	4,138.93	1/4	3,920.16	1/4	3,701.07	1/4	3,470.11	1/4	3,121.29	1/4	2,765.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,352.56	1/2	4,134.37	1/2	3,915.61	1/2	3,696.49	1/2	3,463.91	1/2	3,113.87	1/2	2,757.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,348.05	3/4	4,129.81	3/4	3,911.05	3/4	3,691.92	3/4	3,457.71	3/4	3,106.45	3/4	2,750.25
7		7		7		7		7	4,343.53	7	4,125.25	7	3,906.49	7	3,687.35	7	3,451.04	7	3,099.02	7	2,742.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,339.02	1/4	4,120.70	1/4	3,901.93	1/4	3,682.78	1/4	3,444.37	1/4	3,091.60	1/4	2,735.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,334.51	1/2	4,116.14	1/2	3,897.37	1/2	3,678.21	1/2	3,437.69	1/2	3,084.18	1/2	2,727.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,329.99	3/4	4,111.58	3/4	3,892.82	3/4	3,673.64	3/4	3,431.02	3/4	3,076.76	3/4	2,720.57
8		8		8		8		8	4,325.48	8	4,107.02	8	3,888.26	8	3,669.07	8	3,423.87	8	3,069.34	8	2,713.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,320.97	1/4	4,102.47	1/4	3,883.70	1/4	3,664.50	1/4	3,416.71	1/4	3,061.92	1/4	2,705.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,316.45	1/2	4,097.91	1/2	3,879.14	1/2	3,659.93	1/2	3,409.56	1/2	3,054.50	1/2	2,698.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,311.94	3/4	4,093.35	3/4	3,874.59	3/4	3,655.36	3/4	3,402.41	3/4	3,047.08	3/4	2,690.89
9		9		9		9		9	4,307.43	9	4,088.79	9	3,870.03	9	3,650.79	9	3,395.03	9	3,039.66	9	2,683.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,302.91	1/4	4,084.24	1/4	3,865.47	1/4	3,646.22	1/4	3,387.65	1/4	3,032.24	1/4	2,676.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,298.40	1/2	4,079.68	1/2	3,860.91	1/2	3,641.65	1/2	3,380.27	1/2	3,024.82	1/2	2,668.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,293.89	3/4	4,075.12	3/4	3,856.36	3/4	3,637.08	3/4	3,372.89	3/4	3,017.40	3/4	2,661.20
10		10		10		10		10	4,289.33	10	4,070.56	10	3,851.80	10	3,632.51	10	3,365.51	10	3,009.98	10	2,653.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,284.77	1/4	4,066.01	1/4	3,847.24	1/4	3,627.94	1/4	3,358.12	1/4	3,002.56	1/4	2,646.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,280.21	1/2	4,061.45	1/2	3,842.68	1/2	3,623.37	1/2	3,350.73	1/2	2,995.14	1/2	2,638.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,275.66	3/4	4,056.89	3/4	3,838.13	3/4	3,618.80	3/4	3,343.34	3/4	2,987.71	3/4	2,631.52
11		11		11		11		11	4,271.10	11	4,052.33	11	3,833.57	11	3,614.23	11	3,335.95	11	2,980.29	11	2,624.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,266.54	1/4	4,047.78	1/4	3,829.01	1/4	3,609.66	1/4	3,328.56	1/4	2,972.87	1/4	2,616.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,261.98	1/2	4,043.22	1/2	3,824.45	1/2	3,605.09	1/2	3,321.16	1/2	2,965.45	1/2	2,609.26
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,257.43	3/4	4,038.66	3/4	3,819.90	3/4	3,600.52	3/4	3,313.77	3/4	2,958.03	3/4	2,601.83

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

3 PORT ULLAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,594.41	0	2,237.96	0	1,881.97	0	1,525.70	0	1,169.33	0	825.59	0	468.96	0	111.86	0		0	
1/4	2,586.99	1/4	2,230.54	1/4	1,874.56	1/4	1,518.27	1/4	1,162.11	1/4	818.22	1/4	461.52	1/4	104.42	1/4		1/4	
1/2	2,579.57	1/2	2,223.11	1/2	1,867.15	1/2	1,510.85	1/2	1,154.88	1/2	810.85	1/2	454.09	1/2	96.99	1/2		1/2	
3/4	2,572.15	3/4	2,215.68	3/4	1,859.74	3/4	1,503.42	3/4	1,147.66	3/4	803.48	3/4	446.65	3/4	89.55	3/4		3/4	
1	2,564.72	1	2,208.26	1	1,852.32	1	1,495.99	1	1,140.45	1	796.04	1	439.22	1	82.15	1		1	
1/4	2,557.30	1/4	2,200.83	1/4	1,844.91	1/4	1,488.56	1/4	1,133.25	1/4	788.61	1/4	431.79	1/4	74.74	1/4		1/4	
1/2	2,549.88	1/2	2,193.41	1/2	1,837.50	1/2	1,481.13	1/2	1,126.04	1/2	781.18	1/2	424.35	1/2	67.33	1/2		1/2	
3/4	2,542.46	3/4	2,185.98	3/4	1,830.09	3/4	1,473.70	3/4	1,118.83	3/4	773.74	3/4	416.92	3/4	59.92	3/4		3/4	
2	2,535.04	2	2,178.56	2	1,822.68	2	1,466.27	2	1,111.62	2	766.31	2	409.49	2	53.40	2		2	
1/4	2,527.61	1/4	2,171.13	1/4	1,815.26	1/4	1,458.84	1/4	1,104.42	1/4	758.87	1/4	402.05	1/4	46.89	1/4		1/4	
1/2	2,520.19	1/2	2,163.71	1/2	1,807.85	1/2	1,451.42	1/2	1,097.21	1/2	751.44	1/2	394.62	1/2	40.38	1/2		1/2	
3/4	2,512.77	3/4	2,156.28	3/4	1,800.44	3/4	1,443.99	3/4	1,090.00	3/4	744.01	3/4	387.18	3/4	33.86	3/4		3/4	
3	2,505.35	3	2,148.86	3	1,793.03	3	1,436.56	3	1,082.86	3	736.57	3	379.75	3	29.21	3		3	
1/4	2,497.93	1/4	2,141.43	1/4	1,785.61	1/4	1,429.13	1/4	1,075.72	1/4	729.14	1/4	372.32	1/4	24.56	1/4		1/4	
1/2	2,490.50	1/2	2,134.00	1/2	1,778.20	1/2	1,421.70	1/2	1,068.59	1/2	721.70	1/2	364.88	1/2	19.90	1/2		1/2	
3/4	2,483.08	3/4	2,126.58	3/4	1,770.79	3/4	1,414.27	3/4	1,061.45	3/4	714.27	3/4	357.45	3/4	15.25	3/4		3/4	
4	2,475.66	4	2,119.15	4	1,763.38	4	1,406.84	4	1,054.31	4	706.84	4	350.01	4		4		4	
1/4	2,468.24	1/4	2,111.73	1/4	1,755.96	1/4	1,399.41	1/4	1,047.17	1/4	699.40	1/4	342.58	1/4		1/4		1/4	
1/2	2,460.82	1/2	2,104.30	1/2	1,748.55	1/2	1,391.99	1/2	1,040.04	1/2	691.97	1/2	335.15	1/2		1/2		1/2	
3/4	2,453.40	3/4	2,096.88	3/4	1,741.14	3/4	1,384.56	3/4	1,032.90	3/4	684.54	3/4	327.71	3/4		3/4		3/4	
5	2,445.97	5	2,089.47	5	1,733.71	5	1,377.13	5	1,025.76	5	677.10	5	320.28	5		5		5	
1/4	2,438.55	1/4	2,082.07	1/4	1,726.28	1/4	1,369.70	1/4	1,018.62	1/4	669.67	1/4	312.85	1/4		1/4		1/4	
1/2	2,431.13	1/2	2,074.66	1/2	1,718.85	1/2	1,362.27	1/2	1,011.49	1/2	662.23	1/2	305.41	1/2		1/2		1/2	
3/4	2,423.71	3/4	2,067.26	3/4	1,711.42	3/4	1,354.84	3/4	1,004.35	3/4	654.80	3/4	297.98	3/4		3/4		3/4	
6	2,416.28	6	2,059.85	6	1,703.99	6	1,347.41	6	997.21	6	647.37	6	290.53	6		6		6	
1/4	2,408.85	1/4	2,052.45	1/4	1,696.57	1/4	1,339.98	1/4	990.07	1/4	639.93	1/4	283.09	1/4		1/4		1/4	
1/2	2,401.41	1/2	2,045.04	1/2	1,689.14	1/2	1,332.55	1/2	982.94	1/2	632.50	1/2	275.64	1/2		1/2		1/2	
3/4	2,393.98	3/4	2,037.63	3/4	1,681.71	3/4	1,325.13	3/4	975.80	3/4	625.07	3/4	268.20	3/4		3/4		3/4	
7	2,386.55	7	2,030.22	7	1,674.28	7	1,317.70	7	968.66	7	617.63	7	260.75	7		7		7	
1/4	2,379.12	1/4	2,022.81	1/4	1,666.85	1/4	1,310.27	1/4	961.52	1/4	610.20	1/4	253.31	1/4		1/4		1/4	
1/2	2,371.69	1/2	2,015.40	1/2	1,659.42	1/2	1,302.84	1/2	954.39	1/2	602.76	1/2	245.86	1/2		1/2		1/2	
3/4	2,364.26	3/4	2,007.99	3/4	1,651.99	3/4	1,295.41	3/4	947.25	3/4	595.33	3/4	238.42	3/4		3/4		3/4	
8	2,356.83	8	2,000.57	8	1,644.56	8	1,287.98	8	940.11	8	587.90	8	230.97	8		8		8	
1/4	2,349.40	1/4	1,993.16	1/4	1,637.14	1/4	1,280.55	1/4	932.97	1/4	580.46	1/4	223.52	1/4		1/4		1/4	
1/2	2,341.97	1/2	1,985.75	1/2	1,629.71	1/2	1,273.12	1/2	925.83	1/2	573.03	1/2	216.08	1/2		1/2		1/2	
3/4	2,334.54	3/4	1,978.34	3/4	1,622.28	3/4	1,265.70	3/4	918.70	3/4	565.60	3/4	208.63	3/4		3/4		3/4	
9	2,327.10	9	1,970.92	9	1,614.85	9	1,258.27	9	911.56	9	558.16	9	201.19	9		9		9	
1/4	2,319.67	1/4	1,963.51	1/4	1,607.42	1/4	1,250.84	1/4	904.42	1/4	550.73	1/4	193.74	1/4		1/4		1/4	
1/2	2,312.24	1/2	1,956.10	1/2	1,599.99	1/2	1,243.41	1/2	897.28	1/2	543.29	1/2	186.30	1/2		1/2		1/2	
3/4	2,304.81	3/4	1,948.69	3/4	1,592.56	3/4	1,235.98	3/4	890.15	3/4	535.86	3/4	178.85	3/4		3/4		3/4	
10	2,297.38	10	1,941.27	10	1,585.13	10	1,228.55	10	883.01	10	528.43	10	171.41	10		10		10	
1/4	2,289.95	1/4	1,933.86	1/4	1,577.71	1/4	1,221.12	1/4	875.87	1/4	520.99	1/4	163.96	1/4		1/4		1/4	
1/2	2,282.52	1/2	1,926.45	1/2	1,570.28	1/2	1,213.69	1/2	868.73	1/2	513.56	1/2	156.52	1/2		1/2		1/2	
3/4	2,275.09	3/4	1,919.04	3/4	1,562.85	3/4	1,206.27	3/4	861.60	3/4	506.12	3/4	149.07	3/4		3/4		3/4	
11	2,267.66	11	1,911.62	11	1,555.42	11	1,198.84	11	854.44	11	498.69	11	141.63	11		11		11	
1/4	2,260.24	1/4	1,904.21	1/4	1,547.99	1/4	1,191.41	1/4	847.28	1/4	491.26	1/4	134.18	1/4		1/4		1/4	
1/2	2,252.81	1/2	1,896.80	1/2	1,540.56	1/2	1,183.98	1/2	840.12	1/2	483.82	1/2	126.74	1/2		1/2		1/2	
3/4	2,245.39	3/4	1,889.39	3/4	1,533.13	3/4	1,176.55	3/4	832.96	3/4	476.39	3/4	119.29	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29136"

3 STBD ULLAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-04"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0		0	4,277.93	0	4,059.11	0	3,840.29	0	3,620.87	0	3,333.76	0	2,977.31		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,273.37	1/4	4,054.55	1/4	3,835.72	1/4	3,616.30	1/4	3,326.36	1/4	2,969.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,268.81	1/2	4,049.99	1/2	3,831.15	1/2	3,611.73	1/2	3,318.95	1/2	2,962.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,264.25	3/4	4,045.43	3/4	3,826.58	3/4	3,607.16	3/4	3,311.54	3/4	2,955.00		
1		1		1		1	4,469.07	1	4,259.69	1	4,040.87	1	3,822.01	1	3,602.59	1	3,304.13	1	2,947.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,465.89	1/4	4,255.13	1/4	4,036.32	1/4	3,817.44	1/4	3,598.02	1/4	3,296.73	1/4	2,940.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,462.71	1/2	4,250.58	1/2	4,031.76	1/2	3,812.86	1/2	3,593.45	1/2	3,289.32	1/2	2,932.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,459.53	3/4	4,246.02	3/4	4,027.20	3/4	3,808.29	3/4	3,588.88	3/4	3,281.91	3/4	2,925.26		
2		2		2		2	4,456.35	2	4,241.46	2	4,022.64	2	3,803.72	2	3,584.30	2	3,274.51	2	2,917.82		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,452.40	1/4	4,236.90	1/4	4,018.08	1/4	3,799.15	1/4	3,579.73	1/4	3,267.10	1/4	2,910.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,448.46	1/2	4,232.34	1/2	4,013.52	1/2	3,794.58	1/2	3,575.16	1/2	3,259.69	1/2	2,902.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,444.52	3/4	4,227.78	3/4	4,008.96	3/4	3,790.01	3/4	3,570.59	3/4	3,252.28	3/4	2,895.51		
3		3		3		3	4,440.57	3	4,223.22	3	4,004.41	3	3,785.44	3	3,566.02	3	3,244.88	3	2,888.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,436.10	1/4	4,218.66	1/4	3,999.85	1/4	3,780.87	1/4	3,561.21	1/4	3,237.47	1/4	2,880.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,431.63	1/2	4,214.11	1/2	3,995.29	1/2	3,776.30	1/2	3,556.40	1/2	3,230.06	1/2	2,873.21		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,427.16	3/4	4,209.55	3/4	3,990.73	3/4	3,771.72	3/4	3,551.59	3/4	3,222.66	3/4	2,865.77		
4		4		4		4	4,422.69	4	4,204.99	4	3,986.17	4	3,767.15	4	3,546.78	4	3,215.25	4	2,858.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,418.18	1/4	4,200.43	1/4	3,981.61	1/4	3,762.58	1/4	3,541.52	1/4	3,207.81	1/4	2,850.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,413.68	1/2	4,195.87	1/2	3,977.05	1/2	3,758.01	1/2	3,536.27	1/2	3,200.38	1/2	2,843.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,409.17	3/4	4,191.31	3/4	3,972.49	3/4	3,753.44	3/4	3,531.02	3/4	3,192.94	3/4	2,836.03		
5		5		5		5	4,404.66	5	4,186.75	5	3,967.94	5	3,748.87	5	3,525.77	5	3,185.51	5	2,828.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,400.15	1/4	4,182.19	1/4	3,963.38	1/4	3,744.30	1/4	3,520.04	1/4	3,178.07	1/4	2,821.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,395.64	1/2	4,177.64	1/2	3,958.82	1/2	3,739.73	1/2	3,514.31	1/2	3,170.63	1/2	2,813.72		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,391.13	3/4	4,173.08	3/4	3,954.26	3/4	3,735.15	3/4	3,508.57	3/4	3,163.20	3/4	2,806.28		
6		6		6		6	4,386.61	6	4,168.52	6	3,949.70	6	3,730.58	6	3,502.84	6	3,155.76	6	2,798.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,382.10	1/4	4,163.96	1/4	3,945.14	1/4	3,726.01	1/4	3,496.63	1/4	3,148.33	1/4	2,791.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,377.58	1/2	4,159.40	1/2	3,940.58	1/2	3,721.44	1/2	3,490.42	1/2	3,140.89	1/2	2,783.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,373.07	3/4	4,154.84	3/4	3,936.02	3/4	3,716.87	3/4	3,484.21	3/4	3,133.46	3/4	2,776.54		
7		7		7		7	4,368.55	7	4,150.28	7	3,931.47	7	3,712.30	7	3,478.00	7	3,126.02	7	2,769.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,364.04	1/4	4,145.72	1/4	3,926.91	1/4	3,707.73	1/4	3,471.31	1/4	3,118.58	1/4	2,761.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,359.53	1/2	4,141.17	1/2	3,922.35	1/2	3,703.16	1/2	3,464.63	1/2	3,111.15	1/2	2,754.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,355.01	3/4	4,136.61	3/4	3,917.79	3/4	3,698.58	3/4	3,457.94	3/4	3,103.71	3/4	2,746.80		
8		8		8		8	4,350.50	8	4,132.05	8	3,913.23	8	3,694.01	8	3,451.25	8	3,096.28	8	2,739.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,345.99	1/4	4,127.49	1/4	3,908.67	1/4	3,689.44	1/4	3,444.08	1/4	3,088.84	1/4	2,731.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,341.47	1/2	4,122.93	1/2	3,904.11	1/2	3,684.87	1/2	3,436.91	1/2	3,081.41	1/2	2,724.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,336.96	3/4	4,118.37	3/4	3,899.56	3/4	3,680.30	3/4	3,429.75	3/4	3,073.97	3/4	2,717.06		
9		9		9		9	4,332.45	9	4,113.81	9	3,895.00	9	3,675.73	9	3,422.58	9	3,066.53	9	2,709.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,327.94	1/4	4,109.26	1/4	3,890.44	1/4	3,671.16	1/4	3,415.19	1/4	3,059.10	1/4	2,702.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,323.42	1/2	4,104.70	1/2	3,885.88	1/2	3,666.59	1/2	3,407.79	1/2	3,051.66	1/2	2,694.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,318.91	3/4	4,100.14	3/4	3,881.32	3/4	3,662.02	3/4	3,400.40	3/4	3,044.23	3/4	2,687.31		
10		10		10		10	4,314.40	10	4,095.58	10	3,876.76	10	3,657.44	10	3,393.00	10	3,036.79	10	2,679.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,309.84	1/4	4,091.02	1/4	3,872.20	1/4	3,652.87	1/4	3,385.60	1/4	3,029.36	1/4	2,672.44		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,305.28	1/2	4,086.46	1/2	3,867.64	1/2	3,648.30	1/2	3,378.20	1/2	3,021.92	1/2	2,665.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,300.72	3/4	4,081.90	3/4	3,863.09	3/4	3,643.73	3/4	3,370.79	3/4	3,014.48	3/4	2,657.57		
11		11		11		11	4,296.16	11	4,077.34	11	3,858.53	11	3,639.16	11	3,363.39	11	3,007.05	11	2,650.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,291.60	1/4	4,072.79	1/4	3,853.97	1/4	3,634.59	1/4	3,355.98	1/4	2,999.61	1/4	2,642.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,287.04	1/2	4,068.23	1/2	3,849.41	1/2	3,630.02	1/2	3,348.58	1/2	2,992.18	1/2	2,635.26		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,282.49	3/4	4,063.67	3/4	3,844.85	3/4	3,625.45	3/4	3,341.17	3/4	2,984.74	3/4	2,627.83		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29136"

3 STBD ULLAGE TABLE

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

FORMERLY "E2MS 306"

GAUGE HEIGHT 17'-04"

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	2,620.39	0	2,263.21	0	1,905.80	0	1,548.40	0	1,190.99	0	834.10	0	476.70	0	119.31	0		0	
1/4	2,612.95	1/4	2,255.77	1/4	1,898.36	1/4	1,540.95	1/4	1,183.54	1/4	826.65	1/4	469.25	1/4	111.87	1/4		1/4	
1/2	2,605.52	1/2	2,248.32	1/2	1,890.91	1/2	1,533.50	1/2	1,176.10	1/2	819.20	1/2	461.81	1/2	104.44	1/2		1/2	
3/4	2,598.08	3/4	2,240.87	3/4	1,883.47	3/4	1,526.06	3/4	1,168.65	3/4	811.76	3/4	454.36	3/4	97.00	3/4		3/4	
1	2,590.64	1	2,233.43	1	1,876.02	1	1,518.61	1	1,161.20	1	804.31	1	446.91	1	89.56	1		1	
1/4	2,583.21	1/4	2,225.98	1/4	1,868.57	1/4	1,511.17	1/4	1,153.76	1/4	796.87	1/4	439.47	1/4	82.16	1/4		1/4	
1/2	2,575.77	1/2	2,218.54	1/2	1,861.13	1/2	1,503.72	1/2	1,146.32	1/2	789.42	1/2	432.02	1/2	74.75	1/2		1/2	
3/4	2,568.33	3/4	2,211.09	3/4	1,853.68	3/4	1,496.27	3/4	1,138.88	3/4	781.98	3/4	424.58	3/4	67.34	3/4		3/4	
2	2,560.90	2	2,203.64	2	1,846.24	2	1,488.83	2	1,131.44	2	774.53	2	417.13	2	59.93	2		2	
1/4	2,553.46	1/4	2,196.20	1/4	1,838.79	1/4	1,481.38	1/4	1,124.00	1/4	767.08	1/4	409.69	1/4	53.41	1/4		1/4	
1/2	2,546.03	1/2	2,188.75	1/2	1,831.34	1/2	1,473.94	1/2	1,116.56	1/2	759.64	1/2	402.24	1/2	46.90	1/2		1/2	
3/4	2,538.59	3/4	2,181.31	3/4	1,823.90	3/4	1,466.49	3/4	1,109.12	3/4	752.19	3/4	394.79	3/4	40.39	3/4		3/4	
3	2,531.15	3	2,173.86	3	1,816.45	3	1,459.04	3	1,101.68	3	744.75	3	387.35	3	33.87	3		3	
1/4	2,523.72	1/4	2,166.41	1/4	1,809.01	1/4	1,451.60	1/4	1,094.25	1/4	737.30	1/4	379.90	1/4	29.22	1/4		1/4	
1/2	2,516.28	1/2	2,158.97	1/2	1,801.56	1/2	1,444.15	1/2	1,086.82	1/2	729.86	1/2	372.46	1/2	24.57	1/2		1/2	
3/4	2,508.84	3/4	2,151.52	3/4	1,794.11	3/4	1,436.71	3/4	1,079.39	3/4	722.41	3/4	365.01	3/4	19.91	3/4		3/4	
4	2,501.41	4	2,144.08	4	1,786.67	4	1,429.26	4	1,071.96	4	714.96	4	357.57	4	15.26	4		4	
1/4	2,493.97	1/4	2,136.63	1/4	1,779.22	1/4	1,421.81	1/4	1,064.52	1/4	707.52	1/4	350.12	1/4		1/4		1/4	
1/2	2,486.53	1/2	2,129.18	1/2	1,771.78	1/2	1,414.37	1/2	1,057.09	1/2	700.07	1/2	342.67	1/2		1/2		1/2	
3/4	2,479.10	3/4	2,121.74	3/4	1,764.33	3/4	1,406.92	3/4	1,049.66	3/4	692.63	3/4	335.23	3/4		3/4		3/4	
5	2,471.66	5	2,114.29	5	1,756.88	5	1,399.48	5	1,042.23	5	685.18	5	327.78	5		5		5	
1/4	2,464.22	1/4	2,106.85	1/4	1,749.44	1/4	1,392.03	1/4	1,034.80	1/4	677.73	1/4	320.34	1/4		1/4		1/4	
1/2	2,456.79	1/2	2,099.40	1/2	1,741.99	1/2	1,384.58	1/2	1,027.37	1/2	670.29	1/2	312.89	1/2		1/2		1/2	
3/4	2,449.35	3/4	2,091.95	3/4	1,734.55	3/4	1,377.14	3/4	1,019.94	3/4	662.84	3/4	305.44	3/4		3/4		3/4	
6	2,441.92	6	2,084.51	6	1,727.10	6	1,369.69	6	1,012.51	6	655.40	6	298.00	6		6		6	
1/4	2,434.47	1/4	2,077.06	1/4	1,719.65	1/4	1,362.25	1/4	1,005.07	1/4	647.95	1/4	290.55	1/4		1/4		1/4	
1/2	2,427.02	1/2	2,069.62	1/2	1,712.21	1/2	1,354.80	1/2	997.64	1/2	640.51	1/2	283.11	1/2		1/2		1/2	
3/4	2,419.58	3/4	2,062.17	3/4	1,704.76	3/4	1,347.35	3/4	990.21	3/4	633.06	3/4	275.66	3/4		3/4		3/4	
7	2,412.13	7	2,054.72	7	1,697.32	7	1,339.91	7	982.78	7	625.61	7	268.22	7		7		7	
1/4	2,404.69	1/4	2,047.28	1/4	1,689.87	1/4	1,332.46	1/4	975.35	1/4	618.17	1/4	260.77	1/4		1/4		1/4	
1/2	2,397.24	1/2	2,039.83	1/2	1,682.42	1/2	1,325.02	1/2	967.92	1/2	610.72	1/2	253.32	1/2		1/2		1/2	
3/4	2,389.79	3/4	2,032.39	3/4	1,674.98	3/4	1,317.57	3/4	960.49	3/4	603.28	3/4	245.88	3/4		3/4		3/4	
8	2,382.35	8	2,024.94	8	1,667.53	8	1,310.12	8	953.06	8	595.83	8	238.43	8		8		8	
1/4	2,374.90	1/4	2,017.49	1/4	1,660.09	1/4	1,302.68	1/4	945.62	1/4	588.39	1/4	230.99	1/4		1/4		1/4	
1/2	2,367.46	1/2	2,010.05	1/2	1,652.64	1/2	1,295.23	1/2	938.19	1/2	580.94	1/2	223.54	1/2		1/2		1/2	
3/4	2,360.01	3/4	2,002.60	3/4	1,645.19	3/4	1,287.79	3/4	930.76	3/4	573.49	3/4	216.10	3/4		3/4		3/4	
9	2,352.56	9	1,995.16	9	1,637.75	9	1,280.34	9	923.33	9	566.05	9	208.65	9		9		9	
1/4	2,345.12	1/4	1,987.71	1/4	1,630.30	1/4	1,272.89	1/4	915.90	1/4	558.60	1/4	201.20	1/4		1/4		1/4	
1/2	2,337.67	1/2	1,980.26	1/2	1,622.86	1/2	1,265.45	1/2	908.47	1/2	551.16	1/2	193.76	1/2		1/2		1/2	
3/4	2,330.23	3/4	1,972.82	3/4	1,615.41	3/4	1,258.00	3/4	901.04	3/4	543.71	3/4	186.31	3/4		3/4		3/4	
10	2,322.78	10	1,965.37	10	1,607.96	10	1,250.56	10	893.60	10	536.26	10	178.87	10		10		10	
1/4	2,315.33	1/4	1,957.93	1/4	1,600.52	1/4	1,243.11	1/4	886.17	1/4	528.82	1/4	171.42	1/4		1/4		1/4	
1/2	2,307.89	1/2	1,950.48	1/2	1,593.07	1/2	1,235.66	1/2	878.74	1/2	521.37	1/2	163.97	1/2		1/2		1/2	
3/4	2,300.44	3/4	1,943.03	3/4	1,585.63	3/4	1,228.22	3/4	871.31	3/4	513.93	3/4	156.53	3/4		3/4		3/4	
11	2,293.00	11	1,935.59	11	1,578.18	11	1,220.77	11	863.88	11	506.48	11	149.08	11		11		11	
1/4	2,285.55	1/4	1,928.14	1/4	1,570.73	1/4	1,213.33	1/4	856.43	1/4	499.04	1/4	141.64	1/4		1/4		1/4	
1/2	2,278.10	1/2	1,920.70	1/2	1,563.29	1/2	1,205.88	1/2	848.99	1/2	491.59	1/2	134.19	1/2		1/2		1/2	
3/4	2,270.66	3/4	1,913.25	3/4	1,555.84	3/4	1,198.43	3/4	841.54	3/4	484.14	3/4	126.75	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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