



BARGE "CTC 29130"

INNAGE (HERMETIC)

FORMERLY "E2MS 300"

	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	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	01-7/8	- 01-7/8
2 STBD	00-3/8	- 00-3/8	00-5/8	- 00-5/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	01-7/8	- 01-7/8
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 = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-5/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

November 20, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29130"

1 PORT INNAGE TABLE

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.30	0	303.93	0	653.73	0	1,010.32	0	1,368.07	0	1,726.51	0	2,084.95	0	2,443.39	0	2,801.77	0	3,160.11
1/4	18.35	1/4	310.83	1/4	661.20	1/4	1,017.72	1/4	1,375.53	1/4	1,733.97	1/4	2,092.41	1/4	2,450.85	1/4	2,809.23	1/4	3,167.57
1/2	21.39	1/2	317.72	1/2	668.67	1/2	1,025.13	1/2	1,383.00	1/2	1,741.44	1/2	2,099.88	1/2	2,458.32	1/2	2,816.70	1/2	3,175.04
3/4	24.44	3/4	324.62	3/4	676.14	3/4	1,032.54	3/4	1,390.47	3/4	1,749.91	3/4	2,107.35	3/4	2,465.79	3/4	2,824.16	3/4	3,182.50
1	27.48	1	331.52	1	683.60	1	1,039.95	1	1,397.94	1	1,756.38	1	2,114.82	1	2,473.26	1	2,831.63	1	3,189.97
1/4	32.48	1/4	338.51	1/4	691.07	1/4	1,047.37	1/4	1,405.40	1/4	1,763.84	1/4	2,122.28	1/4	2,480.72	1/4	2,839.09	1/4	3,197.43
1/2	37.48	1/2	345.49	1/2	698.54	1/2	1,054.78	1/2	1,412.87	1/2	1,771.31	1/2	2,129.75	1/2	2,488.19	1/2	2,846.56	1/2	3,204.90
3/4	42.48	3/4	352.48	3/4	706.00	3/4	1,062.20	3/4	1,420.34	3/4	1,778.78	3/4	2,137.22	3/4	2,495.66	3/4	2,854.03	3/4	3,212.36
2	47.48	2	359.46	2	713.47	2	1,069.62	2	1,427.81	2	1,786.25	2	2,144.69	2	2,503.13	2	2,861.49	2	3,219.83
1/4	53.47	1/4	366.54	1/4	720.94	1/4	1,077.05	1/4	1,435.27	1/4	1,793.71	1/4	2,152.15	1/4	2,510.59	1/4	2,868.96	1/4	3,227.30
1/2	59.45	1/2	373.61	1/2	728.41	1/2	1,084.49	1/2	1,442.74	1/2	1,801.18	1/2	2,159.62	1/2	2,518.06	1/2	2,876.42	1/2	3,234.76
3/4	65.44	3/4	380.68	3/4	735.87	3/4	1,091.93	3/4	1,450.21	3/4	1,808.65	3/4	2,167.09	3/4	2,525.53	3/4	2,883.89	3/4	3,242.23
3	71.42	3	387.76	3	743.34	3	1,099.36	3	1,457.68	3	1,816.12	3	2,174.56	3	2,533.00	3	2,891.35	3	3,249.69
1/4	77.52	1/4	394.92	1/4	750.81	1/4	1,106.80	1/4	1,465.14	1/4	1,823.58	1/4	2,182.02	1/4	2,540.46	1/4	2,898.82	1/4	3,257.16
1/2	83.62	1/2	402.08	1/2	758.28	1/2	1,114.23	1/2	1,472.61	1/2	1,831.05	1/2	2,189.49	1/2	2,547.93	1/2	2,906.28	1/2	3,264.62
3/4	89.72	3/4	409.24	3/4	765.74	3/4	1,121.67	3/4	1,480.08	3/4	1,838.52	3/4	2,196.96	3/4	2,555.40	3/4	2,913.75	3/4	3,272.09
4	95.82	4	416.40	4	773.21	4	1,129.11	4	1,487.55	4	1,845.99	4	2,204.43	4	2,562.87	4	2,921.21	4	3,279.55
1/4	102.01	1/4	423.65	1/4	780.63	1/4	1,136.57	1/4	1,495.01	1/4	1,853.45	1/4	2,211.89	1/4	2,570.33	1/4	2,928.68	1/4	3,287.02
1/2	108.21	1/2	430.90	1/2	788.04	1/2	1,144.04	1/2	1,502.48	1/2	1,860.92	1/2	2,219.36	1/2	2,577.80	1/2	2,936.15	1/2	3,294.48
3/4	114.41	3/4	438.14	3/4	795.46	3/4	1,151.51	3/4	1,509.95	3/4	1,868.39	3/4	2,226.83	3/4	2,585.27	3/4	2,943.61	3/4	3,301.95
5	120.60	5	445.39	5	802.88	5	1,158.98	5	1,517.42	5	1,875.86	5	2,234.30	5	2,592.74	5	2,951.08	5	3,309.42
1/4	126.89	1/4	452.73	1/4	810.29	1/4	1,166.44	1/4	1,524.88	1/4	1,883.32	1/4	2,241.76	1/4	2,600.20	1/4	2,958.54	1/4	3,316.88
1/2	133.17	1/2	460.06	1/2	817.69	1/2	1,173.91	1/2	1,532.35	1/2	1,890.79	1/2	2,249.23	1/2	2,607.67	1/2	2,966.01	1/2	3,324.35
3/4	139.45	3/4	467.40	3/4	825.10	3/4	1,181.38	3/4	1,539.82	3/4	1,898.26	3/4	2,256.70	3/4	2,615.13	3/4	2,973.47	3/4	3,331.81
6	145.74	6	474.74	6	832.51	6	1,188.85	6	1,547.29	6	1,905.73	6	2,264.17	6	2,622.60	6	2,980.94	6	3,339.28
1/4	152.11	1/4	482.16	1/4	839.92	1/4	1,196.31	1/4	1,554.75	1/4	1,913.19	1/4	2,271.63	1/4	2,630.06	1/4	2,988.40	1/4	3,346.74
1/2	158.48	1/2	489.58	1/2	847.33	1/2	1,203.78	1/2	1,562.22	1/2	1,920.66	1/2	2,279.10	1/2	2,637.53	1/2	2,995.87	1/2	3,354.21
3/4	164.86	3/4	497.01	3/4	854.74	3/4	1,211.25	3/4	1,569.69	3/4	1,928.13	3/4	2,286.57	3/4	2,644.99	3/4	3,003.33	3/4	3,361.67
7	171.23	7	504.43	7	862.15	7	1,218.72	7	1,577.16	7	1,935.60	7	2,294.04	7	2,652.46	7	3,010.80	7	3,369.14
1/4	177.69	1/4	511.90	1/4	869.55	1/4	1,226.18	1/4	1,584.62	1/4	1,943.06	1/4	2,301.50	1/4	2,659.93	1/4	3,018.26	1/4	3,376.60
1/2	184.15	1/2	519.36	1/2	876.96	1/2	1,233.65	1/2	1,592.09	1/2	1,950.53	1/2	2,308.97	1/2	2,667.39	1/2	3,025.73	1/2	3,384.07
3/4	190.61	3/4	526.83	3/4	884.37	3/4	1,241.12	3/4	1,599.56	3/4	1,958.00	3/4	2,316.44	3/4	2,674.86	3/4	3,033.20	3/4	3,391.53
8	197.07	8	534.30	8	891.78	8	1,248.59	8	1,607.03	8	1,965.47	8	2,323.91	8	2,682.32	8	3,040.66	8	3,399.00
1/4	203.62	1/4	541.76	1/4	899.19	1/4	1,256.05	1/4	1,614.49	1/4	1,972.93	1/4	2,331.37	1/4	2,689.79	1/4	3,048.13	1/4	3,406.47
1/2	210.16	1/2	549.22	1/2	906.60	1/2	1,263.52	1/2	1,621.96	1/2	1,980.40	1/2	2,338.84	1/2	2,697.25	1/2	3,055.59	1/2	3,413.93
3/4	216.71	3/4	556.69	3/4	914.01	3/4	1,270.99	3/4	1,629.43	3/4	1,987.87	3/4	2,346.31	3/4	2,704.72	3/4	3,063.06	3/4	3,421.40
9	223.26	9	564.15	9	921.41	9	1,278.46	9	1,636.90	9	1,995.34	9	2,353.78	9	2,712.18	9	3,070.52	9	3,428.86
1/4	229.89	1/4	571.61	1/4	928.82	1/4	1,285.92	1/4	1,644.36	1/4	2,002.80	1/4	2,361.24	1/4	2,719.65	1/4	3,077.99	1/4	3,436.33
1/2	236.53	1/2	579.07	1/2	936.23	1/2	1,293.39	1/2	1,651.83	1/2	2,010.27	1/2	2,368.71	1/2	2,727.11	1/2	3,085.45	1/2	3,443.79
3/4	243.16	3/4	586.53	3/4	943.64	3/4	1,300.86	3/4	1,659.30	3/4	2,017.74	3/4	2,376.18	3/4	2,734.58	3/4	3,092.92	3/4	3,451.26
10	249.80	10	593.99	10	951.05	10	1,308.33	10	1,666.77	10	2,025.21	10	2,383.65	10	2,742.04	10	3,100.38	10	3,458.72
1/4	256.52	1/4	601.46	1/4	958.46	1/4	1,315.79	1/4	1,674.23	1/4	2,032.67	1/4	2,391.11	1/4	2,749.51	1/4	3,107.85	1/4	3,466.19
1/2	263.24	1/2	608.93	1/2	965.86	1/2	1,323.26	1/2	1,681.70	1/2	2,040.14	1/2	2,398.58	1/2	2,756.98	1/2	3,115.31	1/2	3,473.65
3/4	269.97	3/4	616.40	3/4	973.27	3/4	1,330.73	3/4	1,689.17	3/4	2,047.61	3/4	2,406.05	3/4	2,764.44	3/4	3,122.78	3/4	3,481.12
11	276.69	11	623.86	11	980.68	11	1,338.20	11	1,696.64	11	2,055.08	11	2,413.52	11	2,771.91	11	3,130.25	11	3,488.58
1/4	283.50	1/4	631.33	1/4	988.09	1/4	1,345.66	1/4	1,704.10	1/4	2,062.54	1/4	2,420.98	1/4	2,779.37	1/4	3,137.71	1/4	3,496.05
1/2	290.31	1/2	638.80	1/2	995.50	1/2	1,353.13	1/2	1,711.57	1/2	2,070.01	1/2	2,428.45	1/2	2,786.84	1/2	3,145.18	1/2	3,503.52
3/4	297.12	3/4	646.27	3/4	1,002.91	3/4	1,360.60	3/4	1,719.04	3/4	2,077.48	3/4	2,435.92	3/4	2,794.30	3/4	3,152.64	3/4	3,510.98

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CTC 29130"

1 PORT INNAGE TABLE

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,518.45	0	3,876.79	0	4,234.43	0	4,591.72	0	4,947.20	0		0		0		0		0	
1/4	3,525.91	1/4	3,884.25	1/4	4,241.87	1/4	4,599.16	1/4	4,954.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,533.38	1/2	3,891.72	1/2	4,249.31	1/2	4,606.61	1/2	4,961.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,540.84	3/4	3,899.18	3/4	4,256.76	3/4	4,614.05	3/4	4,969.10	3/4		3/4		3/4		3/4		3/4	
1	3,548.31	1	3,906.65	1	4,264.20	1	4,621.49	1	4,976.40	1		1		1		1		1	
1/4	3,555.77	1/4	3,914.11	1/4	4,271.65	1/4	4,628.94	1/4	4,982.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.24	1/2	3,921.58	1/2	4,279.09	1/2	4,636.38	1/2	4,989.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,570.70	3/4	3,929.04	3/4	4,286.53	3/4	4,643.83	3/4	4,995.72	3/4		3/4		3/4		3/4		3/4	
2	3,578.17	2	3,936.51	2	4,293.98	2	4,651.27	2	5,002.16	2		2		2		2		2	
1/4	3,585.63	1/4	3,943.97	1/4	4,301.42	1/4	4,658.71	1/4	5,007.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.10	1/2	3,951.44	1/2	4,308.86	1/2	4,666.16	1/2	5,012.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,600.57	3/4	3,958.90	3/4	4,316.31	3/4	4,673.60	3/4	5,017.74	3/4		3/4		3/4		3/4		3/4	
3	3,608.03	3	3,966.37	3	4,323.75	3	4,681.04	3	5,022.93	3		3		3		3		3	
1/4	3,615.50	1/4	3,973.84	1/4	4,331.19	1/4	4,688.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,622.96	1/2	3,981.30	1/2	4,338.64	1/2	4,695.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,630.43	3/4	3,988.77	3/4	4,346.08	3/4	4,703.37	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,637.89	4	3,996.23	4	4,353.52	4	4,710.82	4		4		4		4		4		4	
1/4	3,645.36	1/4	4,003.68	1/4	4,360.97	1/4	4,718.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,652.82	1/2	4,011.12	1/2	4,368.41	1/2	4,725.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.29	3/4	4,018.56	3/4	4,375.86	3/4	4,733.15	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,667.75	5	4,026.01	5	4,383.30	5	4,740.59	5		5		5		5		5		5	
1/4	3,675.22	1/4	4,033.45	1/4	4,390.74	1/4	4,748.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.69	1/2	4,040.89	1/2	4,398.19	1/2	4,755.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.15	3/4	4,048.34	3/4	4,405.63	3/4	4,762.92	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,697.62	6	4,055.78	6	4,413.07	6	4,770.37	6		6		6		6		6		6	
1/4	3,705.08	1/4	4,063.22	1/4	4,420.52	1/4	4,777.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,712.55	1/2	4,070.67	1/2	4,427.96	1/2	4,785.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,720.01	3/4	4,078.11	3/4	4,435.40	3/4	4,792.48	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,727.48	7	4,085.56	7	4,442.85	7	4,799.85	7		7		7		7		7		7	
1/4	3,734.94	1/4	4,093.00	1/4	4,450.29	1/4	4,807.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,742.41	1/2	4,100.44	1/2	4,457.74	1/2	4,814.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,749.87	3/4	4,107.89	3/4	4,465.18	3/4	4,821.96	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,757.34	8	4,115.33	8	4,472.62	8	4,829.33	8		8		8		8		8		8	
1/4	3,764.80	1/4	4,122.77	1/4	4,480.07	1/4	4,836.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.27	1/2	4,130.22	1/2	4,487.51	1/2	4,844.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.74	3/4	4,137.66	3/4	4,494.95	3/4	4,851.44	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,787.20	9	4,145.10	9	4,502.40	9	4,858.81	9		9		9		9		9		9	
1/4	3,794.67	1/4	4,152.55	1/4	4,509.84	1/4	4,866.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.13	1/2	4,159.99	1/2	4,517.28	1/2	4,873.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.60	3/4	4,167.43	3/4	4,524.73	3/4	4,880.92	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,817.06	10	4,174.88	10	4,532.17	10	4,888.30	10		10		10		10		10		10	
1/4	3,824.53	1/4	4,182.32	1/4	4,539.61	1/4	4,895.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,831.99	1/2	4,189.77	1/2	4,547.06	1/2	4,903.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,839.46	3/4	4,197.21	3/4	4,554.50	3/4	4,910.40	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,846.92	11	4,204.65	11	4,561.95	11	4,917.77	11		11		11		11		11		11	
1/4	3,854.39	1/4	4,212.10	1/4	4,569.39	1/4	4,925.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,861.85	1/2	4,219.54	1/2	4,576.83	1/2	4,932.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,869.32	3/4	4,226.98	3/4	4,584.28	3/4	4,939.84	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "CTC 29130"

1 STBD INNAGE TABLE

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.29	0	303.76	0	653.43	0	1,011.30	0	1,369.45	0	1,727.72	0	2,085.98	0	2,444.24	0	2,802.45	0	3,160.61
1/4	18.34	1/4	310.65	1/4	660.89	1/4	1,018.74	1/4	1,376.92	1/4	1,735.18	1/4	2,093.44	1/4	2,451.71	1/4	2,809.91	1/4	3,168.07
1/2	21.38	1/2	317.54	1/2	668.36	1/2	1,026.19	1/2	1,384.38	1/2	1,742.64	1/2	2,100.91	1/2	2,459.17	1/2	2,817.37	1/2	3,175.53
3/4	24.42	3/4	324.44	3/4	675.82	3/4	1,033.64	3/4	1,391.85	3/4	1,750.11	3/4	2,108.37	3/4	2,466.63	3/4	2,824.83	3/4	3,182.99
1	27.47	1	331.33	1	683.29	1	1,041.09	1	1,399.31	1	1,757.57	1	2,115.83	1	2,474.10	1	2,832.29	1	3,190.45
1/4	32.46	1/4	338.31	1/4	690.75	1/4	1,048.55	1/4	1,406.77	1/4	1,765.04	1/4	2,123.30	1/4	2,481.56	1/4	2,839.75	1/4	3,197.92
1/2	37.46	1/2	345.30	1/2	698.21	1/2	1,056.01	1/2	1,414.24	1/2	1,772.50	1/2	2,130.76	1/2	2,489.02	1/2	2,847.22	1/2	3,205.38
3/4	42.46	3/4	352.28	3/4	705.68	3/4	1,063.47	3/4	1,421.70	3/4	1,779.96	3/4	2,138.23	3/4	2,496.49	3/4	2,854.68	3/4	3,212.84
2	47.45	2	359.26	2	713.14	2	1,070.93	2	1,429.16	2	1,787.43	2	2,145.69	2	2,503.95	2	2,862.14	2	3,220.30
1/4	53.43	1/4	366.33	1/4	720.60	1/4	1,078.38	1/4	1,436.63	1/4	1,794.89	1/4	2,153.15	1/4	2,511.42	1/4	2,869.60	1/4	3,227.76
1/2	59.42	1/2	373.40	1/2	728.07	1/2	1,085.84	1/2	1,444.09	1/2	1,802.35	1/2	2,160.62	1/2	2,518.88	1/2	2,877.06	1/2	3,235.22
3/4	65.40	3/4	380.47	3/4	735.53	3/4	1,093.30	3/4	1,451.56	3/4	1,809.82	3/4	2,168.08	3/4	2,526.34	3/4	2,884.52	3/4	3,242.69
3	71.38	3	387.54	3	743.00	3	1,100.76	3	1,459.02	3	1,817.28	3	2,175.54	3	2,533.81	3	2,891.99	3	3,250.15
1/4	77.48	1/4	394.69	1/4	750.46	1/4	1,108.22	1/4	1,466.48	1/4	1,824.75	1/4	2,183.01	1/4	2,541.27	1/4	2,899.45	1/4	3,257.61
1/2	83.57	1/2	401.85	1/2	757.92	1/2	1,115.69	1/2	1,473.95	1/2	1,832.21	1/2	2,190.47	1/2	2,548.73	1/2	2,906.91	1/2	3,265.07
3/4	89.67	3/4	409.01	3/4	765.39	3/4	1,123.15	3/4	1,481.41	3/4	1,839.67	3/4	2,197.94	3/4	2,556.20	3/4	2,914.37	3/4	3,272.53
4	95.76	4	416.17	4	772.85	4	1,130.61	4	1,488.88	4	1,847.14	4	2,205.40	4	2,563.66	4	2,921.83	4	3,279.99
1/4	101.95	1/4	423.41	1/4	780.31	1/4	1,138.08	1/4	1,496.34	1/4	1,854.60	1/4	2,212.86	1/4	2,571.13	1/4	2,929.29	1/4	3,287.46
1/2	108.14	1/2	430.66	1/2	787.78	1/2	1,145.54	1/2	1,503.80	1/2	1,862.07	1/2	2,220.33	1/2	2,578.59	1/2	2,936.76	1/2	3,294.92
3/4	114.34	3/4	437.90	3/4	795.24	3/4	1,153.00	3/4	1,511.27	3/4	1,869.53	3/4	2,227.79	3/4	2,586.05	3/4	2,944.22	3/4	3,302.38
5	120.53	5	445.15	5	802.71	5	1,160.47	5	1,518.73	5	1,876.99	5	2,235.26	5	2,593.52	5	2,951.68	5	3,309.84
1/4	126.81	1/4	452.48	1/4	810.16	1/4	1,167.93	1/4	1,526.19	1/4	1,884.46	1/4	2,242.72	1/4	2,600.98	1/4	2,959.14	1/4	3,317.30
1/2	133.09	1/2	459.81	1/2	817.61	1/2	1,175.40	1/2	1,533.66	1/2	1,891.92	1/2	2,250.18	1/2	2,608.44	1/2	2,966.60	1/2	3,324.76
3/4	139.37	3/4	467.14	3/4	825.06	3/4	1,182.86	3/4	1,541.12	3/4	1,899.38	3/4	2,257.65	3/4	2,615.90	3/4	2,974.06	3/4	3,332.23
6	145.65	6	474.47	6	832.50	6	1,190.32	6	1,548.59	6	1,906.85	6	2,265.11	6	2,623.36	6	2,981.53	6	3,339.69
1/4	152.02	1/4	481.89	1/4	839.95	1/4	1,197.79	1/4	1,556.05	1/4	1,914.31	1/4	2,272.57	1/4	2,630.83	1/4	2,988.99	1/4	3,347.15
1/2	158.39	1/2	489.31	1/2	847.40	1/2	1,205.25	1/2	1,563.51	1/2	1,921.78	1/2	2,280.04	1/2	2,638.29	1/2	2,996.45	1/2	3,354.61
3/4	164.76	3/4	496.73	3/4	854.85	3/4	1,212.71	3/4	1,570.98	3/4	1,929.24	3/4	2,287.50	3/4	2,645.75	3/4	3,003.91	3/4	3,362.07
7	171.13	7	504.15	7	862.30	7	1,220.18	7	1,578.44	7	1,936.70	7	2,294.97	7	2,653.21	7	3,011.37	7	3,369.53
1/4	177.58	1/4	511.62	1/4	869.75	1/4	1,227.64	1/4	1,585.90	1/4	1,944.17	1/4	2,302.43	1/4	2,660.67	1/4	3,018.83	1/4	3,377.00
1/2	184.04	1/2	519.08	1/2	877.20	1/2	1,235.11	1/2	1,593.37	1/2	1,951.63	1/2	2,309.89	1/2	2,668.13	1/2	3,026.30	1/2	3,384.46
3/4	190.50	3/4	526.55	3/4	884.65	3/4	1,242.57	3/4	1,600.83	3/4	1,959.09	3/4	2,317.36	3/4	2,675.60	3/4	3,033.76	3/4	3,391.92
8	196.95	8	534.01	8	892.10	8	1,250.03	8	1,608.30	8	1,966.56	8	2,324.82	8	2,683.06	8	3,041.22	8	3,399.38
1/4	203.50	1/4	541.47	1/4	899.55	1/4	1,257.50	1/4	1,615.76	1/4	1,974.02	1/4	2,332.28	1/4	2,690.52	1/4	3,048.68	1/4	3,406.84
1/2	210.04	1/2	548.94	1/2	907.00	1/2	1,264.96	1/2	1,623.22	1/2	1,981.49	1/2	2,339.75	1/2	2,697.98	1/2	3,056.14	1/2	3,414.30
3/4	216.58	3/4	556.40	3/4	914.45	3/4	1,272.42	3/4	1,630.69	3/4	1,988.95	3/4	2,347.21	3/4	2,705.44	3/4	3,063.60	3/4	3,421.77
9	223.13	9	563.86	9	921.90	9	1,279.89	9	1,638.15	9	1,996.41	9	2,354.68	9	2,712.90	9	3,071.07	9	3,429.23
1/4	229.76	1/4	571.33	1/4	929.35	1/4	1,287.35	1/4	1,645.61	1/4	2,003.88	1/4	2,362.14	1/4	2,720.37	1/4	3,078.53	1/4	3,436.69
1/2	236.39	1/2	578.79	1/2	936.80	1/2	1,294.82	1/2	1,653.08	1/2	2,011.34	1/2	2,369.60	1/2	2,727.83	1/2	3,085.99	1/2	3,444.15
3/4	243.02	3/4	586.26	3/4	944.25	3/4	1,302.28	3/4	1,660.54	3/4	2,018.80	3/4	2,377.07	3/4	2,735.29	3/4	3,093.45	3/4	3,451.61
10	249.65	10	593.72	10	951.70	10	1,309.74	10	1,668.01	10	2,026.27	10	2,384.53	10	2,742.75	10	3,100.91	10	3,459.07
1/4	256.37	1/4	601.18	1/4	959.15	1/4	1,317.21	1/4	1,675.47	1/4	2,033.73	1/4	2,391.99	1/4	2,750.21	1/4	3,108.37	1/4	3,466.54
1/2	263.09	1/2	608.65	1/2	966.60	1/2	1,324.67	1/2	1,682.93	1/2	2,041.20	1/2	2,399.46	1/2	2,757.67	1/2	3,115.84	1/2	3,474.00
3/4	269.81	3/4	616.11	3/4	974.05	3/4	1,332.14	3/4	1,690.40	3/4	2,048.66	3/4	2,406.92	3/4	2,765.14	3/4	3,123.30	3/4	3,481.46
11	276.53	11	623.58	11	981.50	11	1,339.60	11	1,697.86	11	2,056.12	11	2,414.39	11	2,772.60	11	3,130.76	11	3,488.92
1/4	283.34	1/4	631.04	1/4	988.95	1/4	1,347.06	1/4	1,705.33	1/4	2,063.59	1/4	2,421.85	1/4	2,780.06	1/4	3,138.22	1/4	3,496.38
1/2	290.14	1/2	638.50	1/2	996.40	1/2	1,354.53	1/2	1,712.79	1/2	2,071.05	1/2	2,429.31	1/2	2,787.52	1/2	3,145.68	1/2	3,503.84
3/4	296.95	3/4	645.97	3/4	1,003.85	3/4	1,361.99	3/4	1,720.25	3/4	2,078.52	3/4	2,436.78	3/4	2,794.98	3/4	3,153.14	3/4	3,511.31

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29130"

1 STBD INNAGE TABLE

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,518.77	0	3,876.93	0	4,234.39	0	4,591.50	0	4,946.80	0		0		0		0		0	
1/4	3,526.23	1/4	3,884.39	1/4	4,241.83	1/4	4,598.94	1/4	4,954.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,533.69	1/2	3,891.85	1/2	4,249.27	1/2	4,606.38	1/2	4,961.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,541.15	3/4	3,899.31	3/4	4,256.71	3/4	4,613.82	3/4	4,968.69	3/4		3/4		3/4		3/4		3/4	
1	3,548.61	1	3,906.78	1	4,264.15	1	4,621.26	1	4,975.99	1		1		1		1		1	
1/4	3,556.08	1/4	3,914.24	1/4	4,271.59	1/4	4,628.70	1/4	4,982.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.54	1/2	3,921.70	1/2	4,279.03	1/2	4,636.14	1/2	4,988.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,571.00	3/4	3,929.16	3/4	4,286.47	3/4	4,643.58	3/4	4,995.29	3/4		3/4		3/4		3/4		3/4	
2	3,578.46	2	3,936.62	2	4,293.91	2	4,651.02	2	5,001.73	2		2		2		2		2	
1/4	3,585.92	1/4	3,944.09	1/4	4,301.35	1/4	4,658.46	1/4	5,006.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.39	1/2	3,951.55	1/2	4,308.79	1/2	4,665.90	1/2	5,012.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,600.85	3/4	3,959.01	3/4	4,316.23	3/4	4,673.34	3/4	5,017.30	3/4		3/4		3/4		3/4		3/4	
3	3,608.31	3	3,966.47	3	4,323.67	3	4,680.78	3	5,022.49	3		3		3		3		3	
1/4	3,615.77	1/4	3,973.93	1/4	4,331.11	1/4	4,688.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,623.23	1/2	3,981.39	1/2	4,338.55	1/2	4,695.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,630.69	3/4	3,988.86	3/4	4,345.99	3/4	4,703.10	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,638.16	4	3,996.32	4	4,353.43	4	4,710.54	4		4		4		4		4		4	
1/4	3,645.62	1/4	4,003.76	1/4	4,360.87	1/4	4,717.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,653.08	1/2	4,011.20	1/2	4,368.31	1/2	4,725.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.54	3/4	4,018.64	3/4	4,375.75	3/4	4,732.86	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,668.00	5	4,026.08	5	4,383.19	5	4,740.30	5		5		5		5		5		5	
1/4	3,675.46	1/4	4,033.52	1/4	4,390.63	1/4	4,747.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,682.93	1/2	4,040.96	1/2	4,398.07	1/2	4,755.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,690.39	3/4	4,048.40	3/4	4,405.51	3/4	4,762.62	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,697.85	6	4,055.84	6	4,412.95	6	4,770.06	6		6		6		6		6		6	
1/4	3,705.31	1/4	4,063.28	1/4	4,420.39	1/4	4,777.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,712.77	1/2	4,070.71	1/2	4,427.83	1/2	4,784.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,720.23	3/4	4,078.15	3/4	4,435.27	3/4	4,792.16	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,727.70	7	4,085.59	7	4,442.70	7	4,799.52	7		7		7		7		7		7	
1/4	3,735.16	1/4	4,093.03	1/4	4,450.14	1/4	4,806.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,742.62	1/2	4,100.47	1/2	4,457.58	1/2	4,814.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,750.08	3/4	4,107.91	3/4	4,465.02	3/4	4,821.62	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,757.54	8	4,115.35	8	4,472.46	8	4,828.99	8		8		8		8		8		8	
1/4	3,765.00	1/4	4,122.79	1/4	4,479.90	1/4	4,836.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.47	1/2	4,130.23	1/2	4,487.34	1/2	4,843.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.93	3/4	4,137.67	3/4	4,494.78	3/4	4,851.09	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,787.39	9	4,145.11	9	4,502.22	9	4,858.45	9		9		9		9		9		9	
1/4	3,794.85	1/4	4,152.55	1/4	4,509.66	1/4	4,865.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,802.31	1/2	4,159.99	1/2	4,517.10	1/2	4,873.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.77	3/4	4,167.43	3/4	4,524.54	3/4	4,880.56	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,817.24	10	4,174.87	10	4,531.98	10	4,887.93	10		10		10		10		10		10	
1/4	3,824.70	1/4	4,182.31	1/4	4,539.42	1/4	4,895.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,832.16	1/2	4,189.75	1/2	4,546.86	1/2	4,902.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,839.62	3/4	4,197.19	3/4	4,554.30	3/4	4,910.02	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,847.08	11	4,204.63	11	4,561.74	11	4,917.38	11		11		11		11		11		11	
1/4	3,854.54	1/4	4,212.07	1/4	4,569.18	1/4	4,924.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,862.01	1/2	4,219.51	1/2	4,576.62	1/2	4,932.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,869.47	3/4	4,226.95	3/4	4,584.06	3/4	4,939.44	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "CTC 29130"

2 PORT INNAGE TABLE

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.35	0	359.73	0	719.30	0	1,069.13	0	1,423.94	0	1,783.51	0	2,143.08	0	2,502.65	0	2,862.21	0	3,221.78
1/4	20.03	1/4	367.22	1/4	726.79	1/4	1,076.31	1/4	1,431.43	1/4	1,791.00	1/4	2,150.57	1/4	2,510.14	1/4	2,869.71	1/4	3,229.27
1/2	24.71	1/2	374.72	1/2	734.28	1/2	1,083.50	1/2	1,438.92	1/2	1,798.49	1/2	2,158.06	1/2	2,517.63	1/2	2,877.20	1/2	3,236.76
3/4	29.39	3/4	382.21	3/4	741.77	3/4	1,090.68	3/4	1,446.42	3/4	1,805.98	3/4	2,165.55	3/4	2,525.12	3/4	2,884.69	3/4	3,244.26
1	34.07	1	389.70	1	749.27	1	1,097.86	1	1,453.91	1	1,813.47	1	2,173.04	1	2,532.61	1	2,892.18	1	3,251.75
1/4	40.63	1/4	397.19	1/4	756.76	1/4	1,105.05	1/4	1,461.40	1/4	1,820.97	1/4	2,180.53	1/4	2,540.10	1/4	2,899.67	1/4	3,259.24
1/2	47.18	1/2	404.68	1/2	764.25	1/2	1,112.25	1/2	1,468.89	1/2	1,828.46	1/2	2,188.02	1/2	2,547.59	1/2	2,907.16	1/2	3,266.73
3/4	53.73	3/4	412.17	3/4	771.74	3/4	1,119.44	3/4	1,476.38	3/4	1,835.95	3/4	2,195.52	3/4	2,555.08	3/4	2,914.65	3/4	3,274.22
2	60.29	2	419.66	2	779.23	2	1,126.63	2	1,483.87	2	1,843.44	2	2,203.01	2	2,562.57	2	2,922.14	2	3,281.71
1/4	67.74	1/4	427.15	1/4	786.72	1/4	1,133.82	1/4	1,491.36	1/4	1,850.93	1/4	2,210.50	1/4	2,570.07	1/4	2,929.63	1/4	3,289.20
1/2	75.20	1/2	434.64	1/2	794.21	1/2	1,141.01	1/2	1,498.85	1/2	1,858.42	1/2	2,217.99	1/2	2,577.56	1/2	2,937.12	1/2	3,296.69
3/4	82.65	3/4	442.13	3/4	801.70	3/4	1,148.21	3/4	1,506.34	3/4	1,865.91	3/4	2,225.48	3/4	2,585.05	3/4	2,944.62	3/4	3,304.18
3	90.11	3	449.63	3	809.19	3	1,155.40	3	1,513.83	3	1,873.40	3	2,232.97	3	2,592.54	3	2,952.11	3	3,311.67
1/4	97.59	1/4	457.12	1/4	816.68	1/4	1,162.61	1/4	1,521.33	1/4	1,880.89	1/4	2,240.46	1/4	2,600.03	1/4	2,959.60	1/4	3,319.17
1/2	105.07	1/2	464.61	1/2	824.18	1/2	1,169.81	1/2	1,528.82	1/2	1,888.38	1/2	2,247.95	1/2	2,607.52	1/2	2,967.09	1/2	3,326.66
3/4	112.55	3/4	472.10	3/4	831.67	3/4	1,177.02	3/4	1,536.31	3/4	1,895.88	3/4	2,255.44	3/4	2,615.01	3/4	2,974.58	3/4	3,334.15
4	120.03	4	479.59	4	839.16	4	1,184.23	4	1,543.80	4	1,903.37	4	2,262.93	4	2,622.50	4	2,982.07	4	3,341.64
1/4	127.52	1/4	487.08	1/4	846.36	1/4	1,191.72	1/4	1,551.29	1/4	1,910.86	1/4	2,270.43	1/4	2,629.99	1/4	2,989.56	1/4	3,349.13
1/2	135.01	1/2	494.57	1/2	853.57	1/2	1,199.21	1/2	1,558.78	1/2	1,918.35	1/2	2,277.92	1/2	2,637.48	1/2	2,997.05	1/2	3,356.62
3/4	142.50	3/4	502.06	3/4	860.78	3/4	1,206.70	3/4	1,566.27	3/4	1,925.84	3/4	2,285.41	3/4	2,644.98	3/4	3,004.54	3/4	3,364.11
5	149.99	5	509.55	5	867.99	5	1,214.19	5	1,573.76	5	1,933.33	5	2,292.90	5	2,652.47	5	3,012.03	5	3,371.60
1/4	157.48	1/4	517.04	1/4	875.17	1/4	1,221.69	1/4	1,581.25	1/4	1,940.82	1/4	2,300.39	1/4	2,659.96	1/4	3,019.53	1/4	3,379.09
1/2	164.97	1/2	524.54	1/2	882.35	1/2	1,229.18	1/2	1,588.74	1/2	1,948.31	1/2	2,307.88	1/2	2,667.45	1/2	3,027.02	1/2	3,386.58
3/4	172.46	3/4	532.03	3/4	889.54	3/4	1,236.67	3/4	1,596.24	3/4	1,955.80	3/4	2,315.37	3/4	2,674.94	3/4	3,034.51	3/4	3,394.08
6	179.95	6	539.52	6	896.72	6	1,244.16	6	1,603.73	6	1,963.29	6	2,322.86	6	2,682.43	6	3,042.00	6	3,401.57
1/4	187.44	1/4	547.01	1/4	903.91	1/4	1,251.65	1/4	1,611.22	1/4	1,970.79	1/4	2,330.35	1/4	2,689.92	1/4	3,049.49	1/4	3,409.06
1/2	194.93	1/2	554.50	1/2	911.09	1/2	1,259.14	1/2	1,618.71	1/2	1,978.28	1/2	2,337.84	1/2	2,697.41	1/2	3,056.98	1/2	3,416.55
3/4	202.42	3/4	561.99	3/4	918.27	3/4	1,266.63	3/4	1,626.20	3/4	1,985.77	3/4	2,345.34	3/4	2,704.90	3/4	3,064.47	3/4	3,424.04
7	209.91	7	569.48	7	925.46	7	1,274.12	7	1,633.69	7	1,993.26	7	2,352.83	7	2,712.39	7	3,071.96	7	3,431.53
1/4	217.40	1/4	576.97	1/4	932.64	1/4	1,281.61	1/4	1,641.18	1/4	2,000.75	1/4	2,360.32	1/4	2,719.89	1/4	3,079.45	1/4	3,439.02
1/2	224.90	1/2	584.46	1/2	939.82	1/2	1,289.10	1/2	1,648.67	1/2	2,008.24	1/2	2,367.81	1/2	2,727.38	1/2	3,086.94	1/2	3,446.51
3/4	232.39	3/4	591.95	3/4	947.01	3/4	1,296.60	3/4	1,656.16	3/4	2,015.73	3/4	2,375.30	3/4	2,734.87	3/4	3,094.44	3/4	3,454.00
8	239.88	8	599.45	8	954.19	8	1,304.09	8	1,663.65	8	2,023.22	8	2,382.79	8	2,742.36	8	3,101.93	8	3,461.49
1/4	247.37	1/4	606.94	1/4	961.37	1/4	1,311.58	1/4	1,671.15	1/4	2,030.71	1/4	2,390.28	1/4	2,749.85	1/4	3,109.42	1/4	3,468.99
1/2	254.86	1/2	614.43	1/2	968.56	1/2	1,319.07	1/2	1,678.64	1/2	2,038.20	1/2	2,397.77	1/2	2,757.34	1/2	3,116.91	1/2	3,476.48
3/4	262.35	3/4	621.92	3/4	975.74	3/4	1,326.56	3/4	1,686.13	3/4	2,045.70	3/4	2,405.26	3/4	2,764.83	3/4	3,124.40	3/4	3,483.97
9	269.84	9	629.41	9	982.92	9	1,334.05	9	1,693.62	9	2,053.19	9	2,412.75	9	2,772.32	9	3,131.89	9	3,491.46
1/4	277.33	1/4	636.90	1/4	990.11	1/4	1,341.54	1/4	1,701.11	1/4	2,060.68	1/4	2,420.25	1/4	2,779.81	1/4	3,139.38	1/4	3,498.95
1/2	284.82	1/2	644.39	1/2	997.29	1/2	1,349.03	1/2	1,708.60	1/2	2,068.17	1/2	2,427.74	1/2	2,787.30	1/2	3,146.87	1/2	3,506.44
3/4	292.31	3/4	651.88	3/4	1,004.48	3/4	1,356.52	3/4	1,716.09	3/4	2,075.66	3/4	2,435.23	3/4	2,794.80	3/4	3,154.36	3/4	3,513.93
10	299.81	10	659.37	10	1,011.66	10	1,364.01	10	1,723.58	10	2,083.15	10	2,442.72	10	2,802.29	10	3,161.85	10	3,521.42
1/4	307.30	1/4	666.86	1/4	1,018.84	1/4	1,371.51	1/4	1,731.07	1/4	2,090.64	1/4	2,450.21	1/4	2,809.78	1/4	3,169.35	1/4	3,528.91
1/2	314.79	1/2	674.36	1/2	1,026.03	1/2	1,379.00	1/2	1,738.56	1/2	2,098.13	1/2	2,457.70	1/2	2,817.27	1/2	3,176.84	1/2	3,536.40
3/4	322.28	3/4	681.85	3/4	1,033.21	3/4	1,386.49	3/4	1,746.06	3/4	2,105.62	3/4	2,465.19	3/4	2,824.76	3/4	3,184.33	3/4	3,543.90
11	329.77	11	689.34	11	1,040.39	11	1,393.98	11	1,753.55	11	2,113.11	11	2,472.68	11	2,832.25	11	3,191.82	11	3,551.39
1/4	337.26	1/4	696.83	1/4	1,047.58	1/4	1,401.47	1/4	1,761.04	1/4	2,120.61	1/4	2,480.17	1/4	2,839.74	1/4	3,199.31	1/4	3,558.88
1/2	344.75	1/2	704.32	1/2	1,054.76	1/2	1,408.96	1/2	1,768.53	1/2	2,128.10	1/2	2,487.66	1/2	2,847.23	1/2	3,206.80	1/2	3,566.37
3/4	352.24	3/4	711.81	3/4	1,061.94	3/4	1,416.45	3/4	1,776.02	3/4	2,135.59	3/4	2,495.16	3/4	2,854.72	3/4	3,214.29	3/4	3,573.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 36'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29130"

2 PORT INNAGE TABLE

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09 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	3,581.35	0	3,940.92	0	4,299.79	0	4,658.30	0	5,015.16	0		0		0		0		0	
1/4	3,588.84	1/4	3,948.41	1/4	4,307.25	1/4	4,665.77	1/4	5,022.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,596.33	1/2	3,955.90	1/2	4,314.72	1/2	4,673.24	1/2	5,029.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,603.82	3/4	3,963.39	3/4	4,322.19	3/4	4,680.71	3/4	5,037.16	3/4		3/4		3/4		3/4		3/4	
1	3,611.31	1	3,970.88	1	4,329.66	1	4,688.18	1	5,044.49	1		1		1		1		1	
1/4	3,618.81	1/4	3,978.37	1/4	4,337.13	1/4	4,695.65	1/4	5,050.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.30	1/2	3,985.86	1/2	4,344.60	1/2	4,703.12	1/2	5,057.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,633.79	3/4	3,993.36	3/4	4,352.07	3/4	4,710.59	3/4	5,063.89	3/4		3/4		3/4		3/4		3/4	
2	3,641.28	2	4,000.85	2	4,359.54	2	4,718.06	2	5,070.35	2		2		2		2		2	
1/4	3,648.77	1/4	4,008.34	1/4	4,367.01	1/4	4,725.52	1/4	5,075.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,656.26	1/2	4,015.83	1/2	4,374.48	1/2	4,732.99	1/2	5,080.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,663.75	3/4	4,023.32	3/4	4,381.95	3/4	4,740.46	3/4	5,086.01	3/4		3/4		3/4		3/4		3/4	
3	3,671.24	3	4,030.81	3	4,389.42	3	4,747.93	3	5,091.23	3		3		3		3		3	
1/4	3,678.73	1/4	4,038.30	1/4	4,396.88	1/4	4,755.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,686.22	1/2	4,045.79	1/2	4,404.35	1/2	4,762.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,693.72	3/4	4,053.28	3/4	4,411.82	3/4	4,770.34	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,701.21	4	4,060.77	4	4,419.29	4	4,777.81	4	4	4		4		4		4		4	
1/4	3,708.70	1/4	4,068.24	1/4	4,426.76	1/4	4,785.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,716.19	1/2	4,075.71	1/2	4,434.23	1/2	4,792.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.68	3/4	4,083.18	3/4	4,441.70	3/4	4,800.22	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,731.17	5	4,090.65	5	4,449.17	5	4,807.68	5	5	5		5		5		5		5	
1/4	3,738.66	1/4	4,098.12	1/4	4,456.64	1/4	4,815.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,746.15	1/2	4,105.59	1/2	4,464.11	1/2	4,822.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,753.64	3/4	4,113.06	3/4	4,471.58	3/4	4,830.09	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,761.13	6	4,120.53	6	4,479.04	6	4,837.56	6	6	6		6		6		6		6	
1/4	3,768.63	1/4	4,128.00	1/4	4,486.51	1/4	4,844.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,776.12	1/2	4,135.47	1/2	4,493.98	1/2	4,852.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.61	3/4	4,142.93	3/4	4,501.45	3/4	4,859.77	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,791.10	7	4,150.40	7	4,508.92	7	4,867.17	7	7	7		7		7		7		7	
1/4	3,798.59	1/4	4,157.87	1/4	4,516.39	1/4	4,874.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,806.08	1/2	4,165.34	1/2	4,523.86	1/2	4,881.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,813.57	3/4	4,172.81	3/4	4,531.33	3/4	4,889.38	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,821.06	8	4,180.28	8	4,538.80	8	4,896.79	8	8	8		8		8		8		8	
1/4	3,828.55	1/4	4,187.75	1/4	4,546.27	1/4	4,904.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,836.04	1/2	4,195.22	1/2	4,553.74	1/2	4,911.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,843.54	3/4	4,202.69	3/4	4,561.20	3/4	4,919.00	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,851.03	9	4,210.16	9	4,568.67	9	4,926.40	9	9	9		9		9		9		9	
1/4	3,858.52	1/4	4,217.63	1/4	4,576.14	1/4	4,933.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,866.01	1/2	4,225.09	1/2	4,583.61	1/2	4,941.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,873.50	3/4	4,232.56	3/4	4,591.08	3/4	4,948.61	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,880.99	10	4,240.03	10	4,598.55	10	4,956.01	10	10	10		10		10		10		10	
1/4	3,888.48	1/4	4,247.50	1/4	4,606.02	1/4	4,963.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,895.97	1/2	4,254.97	1/2	4,613.49	1/2	4,970.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,903.46	3/4	4,262.44	3/4	4,620.96	3/4	4,978.21	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,910.95	11	4,269.91	11	4,628.43	11	4,985.61	11	11	11		11		11		11		11	
1/4	3,918.45	1/4	4,277.38	1/4	4,635.90	1/4	4,992.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,925.94	1/2	4,284.85	1/2	4,643.36	1/2	5,000.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,933.43	3/4	4,292.32	3/4	4,650.83	3/4	5,007.77	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "CTC 29130"

2 STBD INNAGE TABLE

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.35	0	359.82	0	719.47	0	1,078.73	0	1,438.28	0	1,797.94	0	2,157.59	0	2,517.24	0	2,876.84	0	3,236.39
1/4	20.03	1/4	367.31	1/4	726.97	1/4	1,086.21	1/4	1,445.77	1/4	1,805.43	1/4	2,165.08	1/4	2,524.74	1/4	2,884.33	1/4	3,243.88
1/2	24.72	1/2	374.81	1/2	734.46	1/2	1,093.69	1/2	1,453.27	1/2	1,812.92	1/2	2,172.58	1/2	2,532.23	1/2	2,891.82	1/2	3,251.37
3/4	29.40	3/4	382.30	3/4	742.15	3/4	1,101.16	3/4	1,460.76	3/4	1,820.41	3/4	2,180.07	3/4	2,539.72	3/4	2,899.31	3/4	3,258.86
1	34.08	1	389.79	1	749.45	1	1,108.64	1	1,468.25	1	1,827.91	1	2,187.56	1	2,547.22	1	2,906.80	1	3,266.35
1/4	40.64	1/4	397.28	1/4	756.94	1/4	1,116.13	1/4	1,475.75	1/4	1,835.40	1/4	2,195.05	1/4	2,554.71	1/4	2,914.29	1/4	3,273.84
1/2	47.19	1/2	404.78	1/2	764.43	1/2	1,123.62	1/2	1,483.24	1/2	1,842.89	1/2	2,202.55	1/2	2,562.20	1/2	2,921.78	1/2	3,281.33
3/4	53.75	3/4	412.27	3/4	771.92	3/4	1,131.10	3/4	1,490.73	3/4	1,850.39	3/4	2,210.04	3/4	2,569.69	3/4	2,929.27	3/4	3,288.82
2	60.30	2	419.76	2	779.42	2	1,138.59	2	1,498.22	2	1,857.88	2	2,217.53	2	2,577.19	2	2,936.76	2	3,296.31
1/4	67.76	1/4	427.26	1/4	786.91	1/4	1,146.08	1/4	1,505.72	1/4	1,865.37	1/4	2,225.03	1/4	2,584.68	1/4	2,944.25	1/4	3,303.80
1/2	75.21	1/2	434.75	1/2	794.40	1/2	1,153.57	1/2	1,513.21	1/2	1,872.86	1/2	2,232.52	1/2	2,592.17	1/2	2,951.74	1/2	3,311.29
3/4	82.67	3/4	442.24	3/4	801.90	3/4	1,161.05	3/4	1,520.70	3/4	1,880.36	3/4	2,240.01	3/4	2,599.67	3/4	2,959.23	3/4	3,318.78
3	90.13	3	449.73	3	809.39	3	1,168.54	3	1,528.19	3	1,887.85	3	2,247.50	3	2,607.16	3	2,966.72	3	3,326.27
1/4	97.61	1/4	457.23	1/4	816.88	1/4	1,176.03	1/4	1,535.69	1/4	1,895.34	1/4	2,255.00	1/4	2,614.65	1/4	2,974.21	1/4	3,333.76
1/2	105.09	1/2	464.72	1/2	824.37	1/2	1,183.53	1/2	1,543.18	1/2	1,902.83	1/2	2,262.49	1/2	2,622.14	1/2	2,981.71	1/2	3,341.25
3/4	112.57	3/4	472.21	3/4	831.87	3/4	1,191.02	3/4	1,550.67	3/4	1,910.33	3/4	2,269.98	3/4	2,629.64	3/4	2,989.20	3/4	3,348.74
4	120.06	4	479.71	4	839.36	4	1,198.51	4	1,558.17	4	1,917.82	4	2,277.47	4	2,637.13	4	2,996.69	4	3,356.24
1/4	127.55	1/4	487.20	1/4	846.85	1/4	1,206.00	1/4	1,565.66	1/4	1,925.31	1/4	2,284.97	1/4	2,644.62	1/4	3,004.18	1/4	3,363.73
1/2	135.04	1/2	494.69	1/2	854.35	1/2	1,213.50	1/2	1,573.15	1/2	1,932.81	1/2	2,292.46	1/2	2,652.11	1/2	3,011.67	1/2	3,371.22
3/4	142.53	3/4	502.18	3/4	861.84	3/4	1,220.99	3/4	1,580.64	3/4	1,940.30	3/4	2,299.95	3/4	2,659.61	3/4	3,019.16	3/4	3,378.71
5	150.02	5	509.68	5	869.33	5	1,228.48	5	1,588.14	5	1,947.79	5	2,307.45	5	2,667.10	5	3,026.65	5	3,386.20
1/4	157.51	1/4	517.17	1/4	876.81	1/4	1,235.98	1/4	1,595.63	1/4	1,955.28	1/4	2,314.94	1/4	2,674.59	1/4	3,034.14	1/4	3,393.69
1/2	165.01	1/2	524.66	1/2	884.29	1/2	1,243.47	1/2	1,603.12	1/2	1,962.78	1/2	2,322.43	1/2	2,682.08	1/2	3,041.63	1/2	3,401.18
3/4	172.50	3/4	532.15	3/4	891.77	3/4	1,250.96	3/4	1,610.62	3/4	1,970.27	3/4	2,329.92	3/4	2,689.57	3/4	3,049.12	3/4	3,408.67
6	179.99	6	539.65	6	899.24	6	1,258.45	6	1,618.11	6	1,977.76	6	2,337.42	6	2,697.06	6	3,056.61	6	3,416.16
1/4	187.49	1/4	547.14	1/4	906.72	1/4	1,265.95	1/4	1,625.60	1/4	1,985.26	1/4	2,344.91	1/4	2,704.55	1/4	3,064.10	1/4	3,423.65
1/2	194.98	1/2	554.63	1/2	914.20	1/2	1,273.44	1/2	1,633.09	1/2	1,992.75	1/2	2,352.40	1/2	2,712.04	1/2	3,071.59	1/2	3,431.14
3/4	202.47	3/4	562.13	3/4	921.68	3/4	1,280.93	3/4	1,640.59	3/4	2,000.24	3/4	2,359.90	3/4	2,719.53	3/4	3,079.08	3/4	3,438.63
7	209.96	7	569.62	7	929.16	7	1,288.43	7	1,648.08	7	2,007.73	7	2,367.39	7	2,727.03	7	3,086.57	7	3,446.12
1/4	217.46	1/4	577.11	1/4	936.64	1/4	1,295.92	1/4	1,655.57	1/4	2,015.23	1/4	2,374.88	1/4	2,734.52	1/4	3,094.06	1/4	3,453.61
1/2	224.95	1/2	584.60	1/2	944.12	1/2	1,303.41	1/2	1,663.07	1/2	2,022.72	1/2	2,382.37	1/2	2,742.01	1/2	3,101.56	1/2	3,461.10
3/4	232.44	3/4	592.10	3/4	951.59	3/4	1,310.90	3/4	1,670.56	3/4	2,030.21	3/4	2,389.87	3/4	2,749.50	3/4	3,109.05	3/4	3,468.59
8	239.94	8	599.59	8	959.07	8	1,318.40	8	1,678.05	8	2,037.71	8	2,397.36	8	2,756.99	8	3,116.54	8	3,476.09
1/4	247.43	1/4	607.08	1/4	966.55	1/4	1,325.89	1/4	1,685.54	1/4	2,045.20	1/4	2,404.85	1/4	2,764.48	1/4	3,124.03	1/4	3,483.58
1/2	254.92	1/2	614.58	1/2	974.03	1/2	1,333.38	1/2	1,693.04	1/2	2,052.69	1/2	2,412.35	1/2	2,771.97	1/2	3,131.52	1/2	3,491.07
3/4	262.41	3/4	622.07	3/4	981.51	3/4	1,340.87	3/4	1,700.53	3/4	2,060.18	3/4	2,419.84	3/4	2,779.46	3/4	3,139.01	3/4	3,498.56
9	269.91	9	629.56	9	988.99	9	1,348.37	9	1,708.02	9	2,067.68	9	2,427.33	9	2,786.95	9	3,146.50	9	3,506.05
1/4	277.40	1/4	637.05	1/4	996.47	1/4	1,355.86	1/4	1,715.51	1/4	2,075.17	1/4	2,434.82	1/4	2,794.44	1/4	3,153.99	1/4	3,513.54
1/2	284.89	1/2	644.55	1/2	1,003.94	1/2	1,363.35	1/2	1,723.01	1/2	2,082.66	1/2	2,442.32	1/2	2,801.93	1/2	3,161.48	1/2	3,521.03
3/4	292.39	3/4	652.04	3/4	1,011.42	3/4	1,370.85	3/4	1,730.50	3/4	2,090.15	3/4	2,449.81	3/4	2,809.42	3/4	3,168.97	3/4	3,528.52
10	299.88	10	659.53	10	1,018.90	10	1,378.34	10	1,737.99	10	2,097.65	10	2,457.30	10	2,816.91	10	3,176.46	10	3,536.01
1/4	307.37	1/4	667.03	1/4	1,026.38	1/4	1,385.83	1/4	1,745.49	1/4	2,105.14	1/4	2,464.79	1/4	2,824.40	1/4	3,183.95	1/4	3,543.50
1/2	314.86	1/2	674.52	1/2	1,033.86	1/2	1,393.32	1/2	1,752.98	1/2	2,112.63	1/2	2,472.29	1/2	2,831.89	1/2	3,191.44	1/2	3,550.99
3/4	322.36	3/4	682.01	3/4	1,041.34	3/4	1,400.82	3/4	1,760.47	3/4	2,120.13	3/4	2,479.78	3/4	2,839.38	3/4	3,198.93	3/4	3,558.48
11	329.85	11	689.50	11	1,048.81	11	1,408.31	11	1,767.96	11	2,127.62	11	2,487.27	11	2,846.87	11	3,206.42	11	3,565.97
1/4	337.34	1/4	697.00	1/4	1,056.29	1/4	1,415.80	1/4	1,775.46	1/4	2,135.11	1/4	2,494.77	1/4	2,854.37	1/4	3,213.91	1/4	3,573.46
1/2	344.83	1/2	704.49	1/2	1,063.77	1/2	1,423.30	1/2	1,782.95	1/2	2,142.60	1/2	2,502.26	1/2	2,861.86	1/2	3,221.40	1/2	3,580.95
3/4	352.33	3/4	711.98	3/4	1,071.25	3/4	1,430.79	3/4	1,790.44	3/4	2,150.10	3/4	2,509.75	3/4	2,869.35	3/4	3,228.90	3/4	3,588.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 36'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29130"

2 STBD INNAGE TABLE

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09"

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	3,595.93	0	3,955.48	0	4,314.34	0	4,672.85	0	5,029.55	0		0		0		0		0	
1/4	3,603.43	1/4	3,962.97	1/4	4,321.81	1/4	4,680.32	1/4	5,036.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,610.92	1/2	3,970.46	1/2	4,329.28	1/2	4,687.79	1/2	5,044.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,618.41	3/4	3,977.96	3/4	4,336.75	3/4	4,695.26	3/4	5,051.53	3/4		3/4		3/4		3/4		3/4	
1	3,625.90	1	3,985.45	1	4,344.22	1	4,702.73	1	5,058.86	1		1		1		1		1	
1/4	3,633.39	1/4	3,992.94	1/4	4,351.69	1/4	4,710.20	1/4	5,065.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,640.88	1/2	4,000.43	1/2	4,359.16	1/2	4,717.67	1/2	5,071.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,648.37	3/4	4,007.92	3/4	4,366.62	3/4	4,725.14	3/4	5,078.24	3/4		3/4		3/4		3/4		3/4	
2	3,655.86	2	4,015.41	2	4,374.09	2	4,732.61	2	5,084.70	2		2		2		2		2	
1/4	3,663.35	1/4	4,022.90	1/4	4,381.56	1/4	4,740.07	1/4	5,089.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.84	1/2	4,030.39	1/2	4,389.03	1/2	4,747.54	1/2	5,095.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.33	3/4	4,037.88	3/4	4,396.50	3/4	4,755.01	3/4	5,100.34	3/4		3/4		3/4		3/4		3/4	
3	3,685.82	3	4,045.37	3	4,403.97	3	4,762.48	3	5,105.55	3		3		3		3		3	
1/4	3,693.31	1/4	4,052.86	1/4	4,411.44	1/4	4,769.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,700.80	1/2	4,060.35	1/2	4,418.91	1/2	4,777.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,708.29	3/4	4,067.84	3/4	4,426.38	3/4	4,784.89	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,715.78	4	4,075.33	4	4,433.85	4	4,792.36	4	4	4		4		4		4		4	
1/4	3,723.27	1/4	4,082.80	1/4	4,441.31	1/4	4,799.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,730.77	1/2	4,090.27	1/2	4,448.78	1/2	4,807.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,738.26	3/4	4,097.74	3/4	4,456.25	3/4	4,814.76	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,745.75	5	4,105.21	5	4,463.72	5	4,822.23	5	5	5		5		5		5		5	
1/4	3,753.24	1/4	4,112.68	1/4	4,471.19	1/4	4,829.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,760.73	1/2	4,120.15	1/2	4,478.66	1/2	4,837.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,768.22	3/4	4,127.62	3/4	4,486.13	3/4	4,844.64	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,775.71	6	4,135.09	6	4,493.60	6	4,852.11	6	6	6		6		6		6		6	
1/4	3,783.20	1/4	4,142.55	1/4	4,501.07	1/4	4,859.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,790.69	1/2	4,150.02	1/2	4,508.54	1/2	4,866.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,798.18	3/4	4,157.49	3/4	4,516.00	3/4	4,874.29	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,805.67	7	4,164.96	7	4,523.47	7	4,881.69	7	7	7		7		7		7		7	
1/4	3,813.16	1/4	4,172.43	1/4	4,530.94	1/4	4,889.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,820.65	1/2	4,179.90	1/2	4,538.41	1/2	4,896.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,828.14	3/4	4,187.37	3/4	4,545.88	3/4	4,903.88	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,835.63	8	4,194.84	8	4,553.35	8	4,911.27	8	8	8		8		8		8		8	
1/4	3,843.12	1/4	4,202.31	1/4	4,560.82	1/4	4,918.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,850.62	1/2	4,209.78	1/2	4,568.29	1/2	4,926.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,858.11	3/4	4,217.24	3/4	4,575.76	3/4	4,933.46	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,865.60	9	4,224.71	9	4,583.23	9	4,940.85	9	9	9		9		9		9		9	
1/4	3,873.09	1/4	4,232.18	1/4	4,590.69	1/4	4,948.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,880.58	1/2	4,239.65	1/2	4,598.16	1/2	4,955.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,888.07	3/4	4,247.12	3/4	4,605.63	3/4	4,963.04	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,895.56	10	4,254.59	10	4,613.10	10	4,970.44	10	10	10		10		10		10		10	
1/4	3,903.05	1/4	4,262.06	1/4	4,620.57	1/4	4,977.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,910.54	1/2	4,269.53	1/2	4,628.04	1/2	4,985.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,918.03	3/4	4,277.00	3/4	4,635.51	3/4	4,992.63	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,925.52	11	4,284.47	11	4,642.98	11	5,000.02	11	11	11		11		11		11		11	
1/4	3,933.01	1/4	4,291.93	1/4	4,650.45	1/4	5,007.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,940.50	1/2	4,299.40	1/2	4,657.92	1/2	5,014.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,947.99	3/4	4,306.87	3/4	4,665.38	3/4	5,022.17	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29130"

3 PORT INNAGE TABLE

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.29	0	358.16	0	715.69	0	1,063.55	0	1,417.08	0	1,774.30	0	2,130.79	0	2,488.00	0	2,844.93	0	3,201.83
1/4	19.95	1/4	365.61	1/4	723.14	1/4	1,070.71	1/4	1,424.52	1/4	1,781.73	1/4	2,138.23	1/4	2,495.44	1/4	2,852.36	1/4	3,209.23
1/2	24.61	1/2	373.06	1/2	730.58	1/2	1,077.86	1/2	1,431.96	1/2	1,789.15	1/2	2,145.67	1/2	2,502.88	1/2	2,859.80	1/2	3,216.64
3/4	29.27	3/4	380.51	3/4	738.03	3/4	1,085.01	3/4	1,439.41	3/4	1,796.58	3/4	2,151.11	3/4	2,510.31	3/4	2,867.23	3/4	3,224.05
1	33.94	1	387.95	1	745.48	1	1,092.16	1	1,446.85	1	1,804.01	1	2,160.55	1	2,517.75	1	2,874.67	1	3,231.45
1/4	40.46	1/4	395.40	1/4	752.93	1/4	1,099.38	1/4	1,454.29	1/4	1,811.43	1/4	2,167.99	1/4	2,525.19	1/4	2,882.10	1/4	3,238.86
1/2	46.99	1/2	402.85	1/2	760.38	1/2	1,106.61	1/2	1,461.74	1/2	1,818.86	1/2	2,175.43	1/2	2,532.62	1/2	2,889.54	1/2	3,246.27
3/4	53.51	3/4	410.30	3/4	767.83	3/4	1,113.83	3/4	1,469.18	3/4	1,826.29	3/4	2,182.87	3/4	2,540.06	3/4	2,896.97	3/4	3,253.67
2	60.04	2	417.75	2	775.28	2	1,121.05	2	1,476.62	2	1,833.72	2	2,190.32	2	2,547.50	2	2,904.41	2	3,261.08
1/4	67.46	1/4	425.20	1/4	782.72	1/4	1,128.27	1/4	1,484.07	1/4	1,841.14	1/4	2,197.76	1/4	2,554.93	1/4	2,911.84	1/4	3,268.49
1/2	74.89	1/2	432.64	1/2	790.17	1/2	1,135.49	1/2	1,491.51	1/2	1,848.57	1/2	2,205.20	1/2	2,562.37	1/2	2,919.28	1/2	3,275.90
3/4	82.31	3/4	440.09	3/4	797.62	3/4	1,142.72	3/4	1,498.95	3/4	1,856.00	3/4	2,212.64	3/4	2,569.81	3/4	2,926.72	3/4	3,283.30
3	89.74	3	447.54	3	805.07	3	1,149.94	3	1,506.40	3	1,863.42	3	2,220.08	3	2,577.24	3	2,934.15	3	3,290.71
1/4	97.19	1/4	454.99	1/4	812.45	1/4	1,157.17	1/4	1,513.84	1/4	1,870.85	1/4	2,227.52	1/4	2,584.68	1/4	2,941.59	1/4	3,298.12
1/2	104.64	1/2	462.44	1/2	819.84	1/2	1,164.41	1/2	1,521.28	1/2	1,878.28	1/2	2,234.96	1/2	2,592.12	1/2	2,949.02	1/2	3,305.52
3/4	112.09	3/4	469.89	3/4	827.22	3/4	1,171.65	3/4	1,528.73	3/4	1,885.70	3/4	2,242.40	3/4	2,599.55	3/4	2,956.46	3/4	3,312.93
4	119.53	4	477.34	4	834.61	4	1,178.88	4	1,536.17	4	1,893.13	4	2,249.84	4	2,606.99	4	2,963.89	4	3,320.34
1/4	126.99	1/4	484.78	1/4	841.78	1/4	1,186.33	1/4	1,543.62	1/4	1,900.56	1/4	2,257.28	1/4	2,614.43	1/4	2,971.33	1/4	3,327.74
1/2	134.45	1/2	492.23	1/2	848.96	1/2	1,193.77	1/2	1,551.06	1/2	1,907.99	1/2	2,264.72	1/2	2,621.86	1/2	2,978.76	1/2	3,335.15
3/4	141.91	3/4	499.68	3/4	856.13	3/4	1,201.21	3/4	1,558.50	3/4	1,915.41	3/4	2,272.16	3/4	2,629.30	3/4	2,986.20	3/4	3,342.56
5	149.37	5	507.13	5	863.31	5	1,208.66	5	1,565.95	5	1,922.84	5	2,279.60	5	2,636.74	5	2,993.63	5	3,349.96
1/4	156.83	1/4	514.58	1/4	870.46	1/4	1,216.10	1/4	1,573.39	1/4	1,930.27	1/4	2,287.04	1/4	2,644.17	1/4	3,001.07	1/4	3,357.37
1/2	164.29	1/2	522.03	1/2	877.61	1/2	1,223.54	1/2	1,580.83	1/2	1,937.69	1/2	2,294.49	1/2	2,651.61	1/2	3,008.51	1/2	3,364.77
3/4	171.75	3/4	529.48	3/4	884.76	3/4	1,230.99	3/4	1,588.28	3/4	1,945.12	3/4	2,301.93	3/4	2,659.04	3/4	3,015.94	3/4	3,372.17
6	179.21	6	536.92	6	891.91	6	1,238.43	6	1,595.72	6	1,952.55	6	2,309.38	6	2,666.48	6	3,023.38	6	3,379.58
1/4	186.67	1/4	544.37	1/4	899.07	1/4	1,245.88	1/4	1,603.16	1/4	1,959.98	1/4	2,316.82	1/4	2,673.91	1/4	3,030.81	1/4	3,386.97
1/2	194.13	1/2	551.82	1/2	906.22	1/2	1,253.32	1/2	1,610.61	1/2	1,967.40	1/2	2,324.27	1/2	2,681.35	1/2	3,038.25	1/2	3,394.36
3/4	201.59	3/4	559.27	3/4	913.37	3/4	1,260.76	3/4	1,618.05	3/4	1,974.83	3/4	2,331.72	3/4	2,688.78	3/4	3,045.68	3/4	3,401.76
7	209.05	7	566.72	7	920.52	7	1,268.21	7	1,625.49	7	1,982.26	7	2,339.16	7	2,696.22	7	3,053.12	7	3,409.15
1/4	216.51	1/4	574.17	1/4	927.67	1/4	1,275.65	1/4	1,632.94	1/4	1,989.68	1/4	2,346.61	1/4	2,703.65	1/4	3,060.55	1/4	3,416.32
1/2	223.97	1/2	581.61	1/2	934.82	1/2	1,283.09	1/2	1,640.38	1/2	1,997.11	1/2	2,354.05	1/2	2,711.09	1/2	3,067.99	1/2	3,423.48
3/4	231.43	3/4	589.06	3/4	941.98	3/4	1,290.54	3/4	1,647.82	3/4	2,004.54	3/4	2,361.50	3/4	2,718.52	3/4	3,075.42	3/4	3,430.65
8	238.89	8	596.51	8	949.13	8	1,297.98	8	1,655.27	8	2,011.97	8	2,368.94	8	2,725.96	8	3,082.86	8	3,437.81
1/4	246.35	1/4	603.96	1/4	956.28	1/4	1,305.42	1/4	1,662.71	1/4	2,019.39	1/4	2,376.39	1/4	2,733.40	1/4	3,090.29	1/4	3,444.50
1/2	253.81	1/2	611.41	1/2	963.43	1/2	1,312.87	1/2	1,670.15	1/2	2,026.82	1/2	2,383.84	1/2	2,740.83	1/2	3,097.73	1/2	3,451.19
3/4	261.27	3/4	618.86	3/4	970.58	3/4	1,320.31	3/4	1,677.60	3/4	2,034.25	3/4	2,391.28	3/4	2,748.27	3/4	3,105.17	3/4	3,457.88
9	268.73	9	626.31	9	977.73	9	1,327.75	9	1,685.04	9	2,041.67	9	2,398.73	9	2,755.70	9	3,112.60	9	3,464.56
1/4	276.19	1/4	633.75	1/4	984.89	1/4	1,335.20	1/4	1,692.49	1/4	2,049.09	1/4	2,406.17	1/4	2,763.14	1/4	3,120.04	1/4	3,470.77
1/2	283.65	1/2	641.20	1/2	992.04	1/2	1,342.64	1/2	1,699.93	1/2	2,056.51	1/2	2,413.62	1/2	2,770.57	1/2	3,127.47	1/2	3,476.98
3/4	291.11	3/4	648.65	3/4	999.19	3/4	1,350.08	3/4	1,707.37	3/4	2,063.93	3/4	2,421.06	3/4	2,778.01	3/4	3,134.91	3/4	3,483.19
10	298.57	10	656.10	10	1,006.34	10	1,357.53	10	1,714.82	10	2,071.35	10	2,428.51	10	2,785.44	10	3,142.34	10	3,489.40
1/4	306.02	1/4	663.55	1/4	1,013.49	1/4	1,364.97	1/4	1,722.26	1/4	2,078.77	1/4	2,435.95	1/4	2,792.88	1/4	3,149.78	1/4	3,495.14
1/2	313.47	1/2	671.00	1/2	1,020.64	1/2	1,372.41	1/2	1,729.70	1/2	2,086.19	1/2	2,443.38	1/2	2,800.31	1/2	3,157.21	1/2	3,500.89
3/4	320.92	3/4	678.45	3/4	1,027.80	3/4	1,379.86	3/4	1,737.15	3/4	2,093.61	3/4	2,450.82	3/4	2,807.75	3/4	3,164.65	3/4	3,506.63
11	328.37	11	685.89	11	1,034.95	11	1,387.30	11	1,744.59	11	2,101.03	11	2,458.26	11	2,815.18	11	3,172.08	11	3,512.37
1/4	335.81	1/4	693.34	1/4	1,042.10	1/4	1,394.75	1/4	1,752.02	1/4	2,108.47	1/4	2,465.69	1/4	2,822.62	1/4	3,179.52	1/4	3,517.63
1/2	343.26	1/2	700.79	1/2	1,049.25	1/2	1,402.19	1/2	1,759.44	1/2	2,115.91	1/2	2,473.13	1/2	2,830.06	1/2	3,186.95	1/2	3,522.89
3/4	350.71	3/4	708.24	3/4	1,056.40	3/4	1,409.63	3/4	1,766.87	3/4	2,123.35	3/4	2,480.57	3/4	2,837.49	3/4	3,194.39	3/4	3,528.16

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 42'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "CTC 29130"

3 PORT INNAGE TABLE

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09 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	3,533.42	0	3,754.19	0	3,973.59	0	4,192.80	0	4,410.90	0		0		0		0		0	
1/4	3,538.24	1/4	3,758.77	1/4	3,978.16	1/4	4,197.36	1/4	4,415.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,543.06	1/2	3,763.35	1/2	3,982.73	1/2	4,201.93	1/2	4,419.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,547.88	3/4	3,767.93	3/4	3,987.29	3/4	4,206.50	3/4	4,424.33	3/4		3/4		3/4		3/4		3/4	
1	3,552.70	1	3,772.51	1	3,991.86	1	4,211.06	1	4,428.81	1		1		1		1		1	
1/4	3,557.27	1/4	3,777.09	1/4	3,996.43	1/4	4,215.63	1/4	4,432.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,561.85	1/2	3,781.67	1/2	4,000.99	1/2	4,220.20	1/2	4,436.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,566.43	3/4	3,786.24	3/4	4,005.56	3/4	4,224.76	3/4	4,440.66	3/4		3/4		3/4		3/4		3/4	
2	3,571.01	2	3,790.82	2	4,010.13	2	4,229.33	2	4,444.61	2		2		2		2		2	
1/4	3,575.59	1/4	3,795.40	1/4	4,014.69	1/4	4,233.90	1/4	4,447.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,580.17	1/2	3,799.98	1/2	4,019.26	1/2	4,238.46	1/2	4,450.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,584.75	3/4	3,804.56	3/4	4,023.83	3/4	4,243.03	3/4	4,454.17	3/4		3/4		3/4		3/4		3/4	
3	3,589.33	3	3,809.14	3	4,028.39	3	4,247.60	3	4,457.36	3		3		3		3		3	
1/4	3,593.91	1/4	3,813.72	1/4	4,032.96	1/4	4,252.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,598.49	1/2	3,818.30	1/2	4,037.53	1/2	4,256.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,603.07	3/4	3,822.88	3/4	4,042.09	3/4	4,261.30	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,607.65	4	3,827.46	4	4,046.66	4	4,265.86	4	4	4		4		4		4		4	
1/4	3,612.23	1/4	3,832.03	1/4	4,051.23	1/4	4,270.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,616.81	1/2	3,836.59	1/2	4,055.79	1/2	4,275.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,621.39	3/4	3,841.16	3/4	4,060.36	3/4	4,279.56	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,625.97	5	3,845.73	5	4,064.93	5	4,284.13	5	5	5		5		5		5		5	
1/4	3,630.55	1/4	3,850.29	1/4	4,069.49	1/4	4,288.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,635.12	1/2	3,854.86	1/2	4,074.06	1/2	4,293.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,639.70	3/4	3,859.43	3/4	4,078.63	3/4	4,297.83	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,644.28	6	3,863.99	6	4,083.19	6	4,302.40	6	6	6		6		6		6		6	
1/4	3,648.86	1/4	3,868.56	1/4	4,087.76	1/4	4,306.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,653.44	1/2	3,873.13	1/2	4,092.33	1/2	4,311.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,658.02	3/4	3,877.69	3/4	4,096.89	3/4	4,315.96	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,662.60	7	3,882.26	7	4,101.46	7	4,320.48	7	7	7		7		7		7		7	
1/4	3,667.18	1/4	3,886.83	1/4	4,106.03	1/4	4,325.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,671.76	1/2	3,891.39	1/2	4,110.59	1/2	4,329.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,676.34	3/4	3,895.96	3/4	4,115.16	3/4	4,334.05	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,680.92	8	3,900.53	8	4,119.73	8	4,338.57	8	8	8		8		8		8		8	
1/4	3,685.50	1/4	3,905.09	1/4	4,124.29	1/4	4,343.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.08	1/2	3,909.66	1/2	4,128.86	1/2	4,347.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,694.66	3/4	3,914.23	3/4	4,133.43	3/4	4,352.14	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,699.24	9	3,918.79	9	4,138.00	9	4,356.66	9	9	9		9		9		9		9	
1/4	3,703.82	1/4	3,923.36	1/4	4,142.56	1/4	4,361.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,708.40	1/2	3,927.93	1/2	4,147.13	1/2	4,365.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,712.97	3/4	3,932.49	3/4	4,151.70	3/4	4,370.23	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,717.55	10	3,937.06	10	4,156.26	10	4,374.75	10	10	10		10		10		10		10	
1/4	3,722.13	1/4	3,941.63	1/4	4,160.83	1/4	4,379.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,726.71	1/2	3,946.19	1/2	4,165.40	1/2	4,383.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,731.29	3/4	3,950.76	3/4	4,169.96	3/4	4,388.32	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,735.87	11	3,955.33	11	4,174.53	11	4,392.84	11	11	11		11		11		11		11	
1/4	3,740.45	1/4	3,959.89	1/4	4,179.10	1/4	4,397.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.03	1/2	3,964.46	1/2	4,183.66	1/2	4,401.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,749.61	3/4	3,969.03	3/4	4,188.23	3/4	4,406.38	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "CTC 29130"

3 STBD INNAGE TABLE

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.29	0	358.34	0	716.52	0	1,074.29	0	1,432.37	0	1,790.56	0	2,148.74	0	2,506.86	0	2,864.57	0	3,222.26
1/4	19.95	1/4	365.80	1/4	723.98	1/4	1,081.74	1/4	1,439.84	1/4	1,798.02	1/4	2,156.21	1/4	2,514.31	1/4	2,872.02	1/4	3,229.68
1/2	24.62	1/2	373.27	1/2	731.44	1/2	1,089.19	1/2	1,447.30	1/2	1,805.48	1/2	2,163.67	1/2	2,521.76	1/2	2,879.47	1/2	3,237.11
3/4	29.28	3/4	380.73	3/4	738.90	3/4	1,096.63	3/4	1,454.76	3/4	1,812.95	3/4	2,171.13	3/4	2,529.21	3/4	2,886.92	3/4	3,244.53
1	33.94	1	388.19	1	746.37	1	1,104.08	1	1,462.22	1	1,820.41	1	2,178.59	1	2,536.67	1	2,894.37	1	3,251.95
1/4	40.47	1/4	395.65	1/4	753.83	1/4	1,111.54	1/4	1,469.68	1/4	1,827.87	1/4	2,186.06	1/4	2,544.12	1/4	2,901.83	1/4	3,259.38
1/2	47.00	1/2	403.11	1/2	761.29	1/2	1,118.99	1/2	1,477.15	1/2	1,835.33	1/2	2,193.52	1/2	2,551.57	1/2	2,909.28	1/2	3,266.80
3/4	53.53	3/4	410.58	3/4	768.75	3/4	1,126.45	3/4	1,484.61	3/4	1,842.79	3/4	2,200.98	3/4	2,559.03	3/4	2,916.73	3/4	3,274.22
2	60.06	2	418.04	2	776.21	2	1,133.91	2	1,492.07	2	1,850.26	2	2,208.44	2	2,566.48	2	2,924.18	2	3,281.65
1/4	67.48	1/4	425.50	1/4	783.68	1/4	1,141.36	1/4	1,499.53	1/4	1,857.72	1/4	2,215.90	1/4	2,573.93	1/4	2,931.63	1/4	3,289.07
1/2	74.91	1/2	432.96	1/2	791.14	1/2	1,148.82	1/2	1,507.00	1/2	1,865.18	1/2	2,223.37	1/2	2,581.39	1/2	2,939.09	1/2	3,296.49
3/4	82.33	3/4	440.42	3/4	798.60	3/4	1,156.28	3/4	1,514.46	3/4	1,872.64	3/4	2,230.83	3/4	2,588.84	3/4	2,946.54	3/4	3,303.92
3	89.76	3	447.89	3	806.06	3	1,163.73	3	1,521.92	3	1,880.11	3	2,238.29	3	2,596.29	3	2,953.99	3	3,311.34
1/4	97.21	1/4	455.35	1/4	813.52	1/4	1,171.20	1/4	1,529.38	1/4	1,887.57	1/4	2,245.75	1/4	2,603.74	1/4	2,961.44	1/4	3,318.76
1/2	104.66	1/2	462.81	1/2	820.99	1/2	1,178.66	1/2	1,536.84	1/2	1,895.03	1/2	2,253.22	1/2	2,611.20	1/2	2,968.89	1/2	3,326.19
3/4	112.11	3/4	470.27	3/4	828.45	3/4	1,186.12	3/4	1,544.31	3/4	1,902.49	3/4	2,260.68	3/4	2,618.65	3/4	2,976.35	3/4	3,333.61
4	119.56	4	477.73	4	835.91	4	1,193.58	4	1,551.77	4	1,909.95	4	2,268.14	4	2,626.10	4	2,983.80	4	3,341.03
1/4	127.02	1/4	485.20	1/4	843.37	1/4	1,201.05	1/4	1,559.23	1/4	1,917.42	1/4	2,275.60	1/4	2,633.56	1/4	2,991.25	1/4	3,348.46
1/2	134.48	1/2	492.66	1/2	850.83	1/2	1,208.51	1/2	1,566.69	1/2	1,924.88	1/2	2,283.06	1/2	2,641.01	1/2	2,998.70	1/2	3,355.88
3/4	141.95	3/4	500.12	3/4	858.30	3/4	1,215.97	3/4	1,574.16	3/4	1,932.34	3/4	2,290.53	3/4	2,648.46	3/4	3,006.15	3/4	3,363.30
5	149.41	5	507.58	5	865.76	5	1,223.43	5	1,581.62	5	1,939.80	5	2,297.99	5	2,655.91	5	3,013.61	5	3,370.73
1/4	156.87	1/4	515.04	1/4	873.21	1/4	1,230.89	1/4	1,589.08	1/4	1,947.27	1/4	2,305.45	1/4	2,663.37	1/4	3,021.06	1/4	3,378.15
1/2	164.33	1/2	522.51	1/2	880.65	1/2	1,238.36	1/2	1,596.54	1/2	1,954.73	1/2	2,312.91	1/2	2,670.82	1/2	3,028.51	1/2	3,385.57
3/4	171.79	3/4	529.97	3/4	888.10	3/4	1,245.82	3/4	1,604.00	3/4	1,962.19	3/4	2,320.38	3/4	2,678.27	3/4	3,035.96	3/4	3,392.98
6	179.25	6	537.43	6	895.55	6	1,253.28	6	1,611.47	6	1,969.65	6	2,327.84	6	2,685.72	6	3,043.41	6	3,400.40
1/4	186.72	1/4	544.89	1/4	903.00	1/4	1,260.74	1/4	1,618.93	1/4	1,977.11	1/4	2,335.30	1/4	2,693.17	1/4	3,050.86	1/4	3,407.81
1/2	194.18	1/2	552.35	1/2	910.44	1/2	1,268.21	1/2	1,626.39	1/2	1,984.58	1/2	2,342.76	1/2	2,700.63	1/2	3,058.32	1/2	3,415.22
3/4	201.64	3/4	559.82	3/4	917.89	3/4	1,275.67	3/4	1,633.85	3/4	1,992.04	3/4	2,350.22	3/4	2,708.08	3/4	3,065.77	3/4	3,422.63
7	209.10	7	567.28	7	925.34	7	1,283.13	7	1,641.32	7	1,999.50	7	2,357.69	7	2,715.53	7	3,073.22	7	3,430.04
1/4	216.56	1/4	574.74	1/4	932.79	1/4	1,290.59	1/4	1,648.78	1/4	2,006.96	1/4	2,365.15	1/4	2,722.98	1/4	3,080.67	1/4	3,437.23
1/2	224.03	1/2	582.20	1/2	940.23	1/2	1,298.05	1/2	1,656.24	1/2	2,014.43	1/2	2,372.61	1/2	2,730.43	1/2	3,088.12	1/2	3,444.41
3/4	231.49	3/4	589.66	3/4	947.68	3/4	1,305.52	3/4	1,663.70	3/4	2,021.89	3/4	2,380.07	3/4	2,737.89	3/4	3,095.58	3/4	3,451.59
8	238.95	8	597.13	8	955.13	8	1,312.98	8	1,671.16	8	2,029.35	8	2,387.54	8	2,745.34	8	3,103.03	8	3,458.77
1/4	246.41	1/4	604.59	1/4	962.58	1/4	1,320.44	1/4	1,678.63	1/4	2,036.81	1/4	2,395.00	1/4	2,752.79	1/4	3,110.48	1/4	3,465.48
1/2	253.87	1/2	612.05	1/2	970.02	1/2	1,327.90	1/2	1,686.09	1/2	2,044.27	1/2	2,402.46	1/2	2,760.24	1/2	3,117.93	1/2	3,472.18
3/4	261.34	3/4	619.51	3/4	977.47	3/4	1,335.37	3/4	1,693.55	3/4	2,051.74	3/4	2,409.92	3/4	2,767.69	3/4	3,125.38	3/4	3,478.89
9	268.80	9	626.97	9	984.92	9	1,342.83	9	1,701.01	9	2,059.20	9	2,417.38	9	2,775.14	9	3,132.84	9	3,485.59
1/4	276.26	1/4	634.44	1/4	992.37	1/4	1,350.29	1/4	1,708.48	1/4	2,066.66	1/4	2,424.85	1/4	2,782.60	1/4	3,140.29	1/4	3,491.81
1/2	283.72	1/2	641.90	1/2	999.81	1/2	1,357.75	1/2	1,715.94	1/2	2,074.12	1/2	2,432.31	1/2	2,790.05	1/2	3,147.74	1/2	3,498.04
3/4	291.18	3/4	649.36	3/4	1,007.26	3/4	1,365.21	3/4	1,723.40	3/4	2,081.59	3/4	2,439.77	3/4	2,797.50	3/4	3,155.19	3/4	3,504.26
10	298.65	10	656.82	10	1,014.71	10	1,372.68	10	1,730.86	10	2,089.05	10	2,447.23	10	2,804.95	10	3,162.64	10	3,510.48
1/4	306.11	1/4	664.28	1/4	1,022.16	1/4	1,380.14	1/4	1,738.32	1/4	2,096.51	1/4	2,454.69	1/4	2,812.40	1/4	3,170.10	1/4	3,516.23
1/2	313.57	1/2	671.75	1/2	1,029.61	1/2	1,387.60	1/2	1,745.79	1/2	2,103.97	1/2	2,462.14	1/2	2,819.86	1/2	3,177.55	1/2	3,521.97
3/4	321.03	3/4	679.21	3/4	1,037.05	3/4	1,395.06	3/4	1,753.25	3/4	2,111.43	3/4	2,469.59	3/4	2,827.31	3/4	3,185.00	3/4	3,527.71
11	328.49	11	686.67	11	1,044.50	11	1,402.53	11	1,760.71	11	2,118.90	11	2,477.04	11	2,834.76	11	3,192.45	11	3,533.46
1/4	335.96	1/4	694.13	1/4	1,051.95	1/4	1,409.99	1/4	1,768.17	1/4	2,126.36	1/4	2,484.50	1/4	2,842.21	1/4	3,199.90	1/4	3,538.72
1/2	343.42	1/2	701.59	1/2	1,059.40	1/2	1,417.45	1/2	1,775.63	1/2	2,133.82	1/2	2,491.95	1/2	2,849.66	1/2	3,207.35	1/2	3,543.98
3/4	350.88	3/4	709.06	3/4	1,066.84	3/4	1,424.91	3/4	1,783.10	3/4	2,141.28	3/4	2,499.40	3/4	2,857.12	3/4	3,214.81	3/4	3,549.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29130"

**3 STBD
INNAGE TABLE**

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

FORMERLY "E2MS 300"

GAUGE HEIGHT 15'-09 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	3,554.51	0	3,775.37	0	3,994.86	0	4,214.16	0	4,432.33	0		0		0		0		0	
1/4	3,559.33	1/4	3,779.95	1/4	3,999.43	1/4	4,218.73	1/4	4,436.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.15	1/2	3,784.53	1/2	4,004.00	1/2	4,223.29	1/2	4,441.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.98	3/4	3,789.11	3/4	4,008.57	3/4	4,227.86	3/4	4,445.78	3/4		3/4		3/4		3/4		3/4	
1	3,573.80	1	3,793.69	1	4,013.14	1	4,232.43	1	4,450.26	1		1		1		1		1	
1/4	3,578.38	1/4	3,798.28	1/4	4,017.71	1/4	4,237.00	1/4	4,454.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,582.96	1/2	3,802.86	1/2	4,022.28	1/2	4,241.57	1/2	4,458.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,587.54	3/4	3,807.44	3/4	4,026.84	3/4	4,246.14	3/4	4,462.11	3/4		3/4		3/4		3/4		3/4	
2	3,592.12	2	3,812.02	2	4,031.41	2	4,250.71	2	4,466.06	2		2		2		2		2	
1/4	3,596.70	1/4	3,816.60	1/4	4,035.98	1/4	4,255.27	1/4	4,469.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,601.28	1/2	3,821.18	1/2	4,040.55	1/2	4,259.84	1/2	4,472.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,605.87	3/4	3,825.76	3/4	4,045.12	3/4	4,264.41	3/4	4,475.63	3/4		3/4		3/4		3/4		3/4	
3	3,610.45	3	3,830.34	3	4,049.69	3	4,268.98	3	4,478.82	3		3		3		3		3	
1/4	3,615.03	1/4	3,834.93	1/4	4,054.26	1/4	4,273.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,619.61	1/2	3,839.51	1/2	4,058.82	1/2	4,278.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,624.19	3/4	3,844.09	3/4	4,063.39	3/4	4,282.69	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,628.77	4	3,848.67	4	4,067.96	4	4,287.25	4	4,482.11	4		4		4		4		4	
1/4	3,633.35	1/4	3,853.24	1/4	4,072.53	1/4	4,291.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,637.93	1/2	3,857.81	1/2	4,077.10	1/2	4,296.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,642.52	3/4	3,862.37	3/4	4,081.67	3/4	4,300.96	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,647.10	5	3,866.94	5	4,086.24	5	4,305.53	5	4,482.11	5		5		5		5		5	
1/4	3,651.68	1/4	3,871.51	1/4	4,090.80	1/4	4,310.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.26	1/2	3,876.08	1/2	4,095.37	1/2	4,314.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.84	3/4	3,880.65	3/4	4,099.94	3/4	4,319.23	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,665.42	6	3,885.22	6	4,104.51	6	4,323.80	6	4,482.11	6		6		6		6		6	
1/4	3,670.00	1/4	3,889.79	1/4	4,109.08	1/4	4,328.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,674.58	1/2	3,894.36	1/2	4,113.65	1/2	4,332.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,679.16	3/4	3,898.92	3/4	4,118.22	3/4	4,337.37	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,683.75	7	3,903.49	7	4,122.79	7	4,341.90	7	4,482.11	7		7		7		7		7	
1/4	3,688.33	1/4	3,908.06	1/4	4,127.35	1/4	4,346.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.91	1/2	3,912.63	1/2	4,131.92	1/2	4,350.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.49	3/4	3,917.20	3/4	4,136.49	3/4	4,355.47	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,702.07	8	3,921.77	8	4,141.06	8	4,359.99	8	4,482.11	8		8		8		8		8	
1/4	3,706.65	1/4	3,926.34	1/4	4,145.63	1/4	4,364.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.23	1/2	3,930.90	1/2	4,150.20	1/2	4,369.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.81	3/4	3,935.47	3/4	4,154.77	3/4	4,373.56	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,720.40	9	3,940.04	9	4,159.33	9	4,378.08	9	4,482.11	9		9		9		9		9	
1/4	3,724.98	1/4	3,944.61	1/4	4,163.90	1/4	4,382.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.56	1/2	3,949.18	1/2	4,168.47	1/2	4,387.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.14	3/4	3,953.75	3/4	4,173.04	3/4	4,391.65	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,738.72	10	3,958.32	10	4,177.61	10	4,396.18	10	4,482.11	10		10		10		10		10	
1/4	3,743.30	1/4	3,962.88	1/4	4,182.18	1/4	4,400.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.88	1/2	3,967.45	1/2	4,186.75	1/2	4,405.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,752.46	3/4	3,972.02	3/4	4,191.31	3/4	4,409.75	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,757.05	11	3,976.59	11	4,195.88	11	4,414.27	11	4,482.11	11		11		11		11		11	
1/4	3,761.63	1/4	3,981.16	1/4	4,200.45	1/4	4,418.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,766.21	1/2	3,985.73	1/2	4,205.02	1/2	4,423.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,770.79	3/4	3,990.30	3/4	4,209.59	3/4	4,427.82	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "CTC 29130"

ULLAGE (HERMETIC)

FORMERLY "E2MS 300"

	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	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 01-7/8	01-7/8
2 STBD	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 01-7/8	01-7/8
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 = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-5/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 5/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

November 20, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29130"

1 PORT ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	4,703.37	0	4,346.08	0	3,988.76	0	3,630.42	0	3,272.09	0	2,913.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,695.93	1/4	4,338.63	1/4	3,981.30	1/4	3,622.96	1/4	3,264.62	1/4	2,906.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,688.48	1/2	4,331.19	1/2	3,973.83	1/2	3,615.49	1/2	3,257.15	1/2	2,898.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,022.93	3/4	4,681.04	3/4	4,323.75	3/4	3,966.37	3/4	3,608.03	3/4	3,249.69	3/4	2,891.35
1		1		1		1		1	5,017.74	1	4,673.60	1	4,316.30	1	3,958.90	1	3,600.56	1	3,242.22	1	2,883.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,012.54	1/4	4,666.15	1/4	4,308.86	1/4	3,951.44	1/4	3,593.10	1/4	3,234.76	1/4	2,876.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,007.35	1/2	4,658.71	1/2	4,301.42	1/2	3,943.97	1/2	3,585.63	1/2	3,227.29	1/2	2,868.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,002.15	3/4	4,651.27	3/4	4,293.97	3/4	3,936.51	3/4	3,578.17	3/4	3,219.83	3/4	2,861.49
2		2		2		2		2	4,995.72	2	4,643.82	2	4,286.53	2	3,929.04	2	3,570.70	2	3,212.36	2	2,854.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,989.28	1/4	4,636.38	1/4	4,279.09	1/4	3,921.58	1/4	3,563.24	1/4	3,204.90	1/4	2,846.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,982.84	1/2	4,628.94	1/2	4,271.64	1/2	3,914.11	1/2	3,555.77	1/2	3,197.43	1/2	2,839.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,976.40	3/4	4,621.49	3/4	4,264.20	3/4	3,906.64	3/4	3,548.31	3/4	3,189.97	3/4	2,831.63
3		3		3		3		3	4,969.10	3	4,614.05	3	4,256.76	3	3,899.18	3	3,540.84	3	3,182.50	3	2,824.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,961.80	1/4	4,606.60	1/4	4,249.31	1/4	3,891.71	1/4	3,533.37	1/4	3,175.04	1/4	2,816.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,954.50	1/2	4,599.16	1/2	4,241.87	1/2	3,884.25	1/2	3,525.91	1/2	3,167.57	1/2	2,809.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,947.20	3/4	4,591.72	3/4	4,234.42	3/4	3,876.78	3/4	3,518.44	3/4	3,160.10	3/4	2,801.77
4		4		4		4		4	4,939.84	4	4,584.27	4	4,226.98	4	3,869.32	4	3,510.98	4	3,152.64	4	2,794.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,932.48	1/4	4,576.83	1/4	4,219.54	1/4	3,861.85	1/4	3,503.51	1/4	3,145.17	1/4	2,786.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,925.12	1/2	4,569.39	1/2	4,212.09	1/2	3,854.39	1/2	3,496.05	1/2	3,137.71	1/2	2,779.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,917.77	3/4	4,561.94	3/4	4,204.65	3/4	3,846.92	3/4	3,488.58	3/4	3,130.24	3/4	2,771.90
5		5		5		5		5	4,910.40	5	4,554.50	5	4,197.21	5	3,839.46	5	3,481.12	5	3,122.78	5	2,764.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,903.03	1/4	4,547.06	1/4	4,189.76	1/4	3,831.99	1/4	3,473.65	1/4	3,115.31	1/4	2,756.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,895.66	1/2	4,539.61	1/2	4,182.32	1/2	3,824.53	1/2	3,466.19	1/2	3,107.85	1/2	2,749.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,888.29	3/4	4,532.17	3/4	4,174.88	3/4	3,817.06	3/4	3,458.72	3/4	3,100.38	3/4	2,742.04
6		6		6		6		6	4,880.92	6	4,524.72	6	4,167.43	6	3,809.59	6	3,451.26	6	3,092.92	6	2,734.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,873.55	1/4	4,517.28	1/4	4,159.99	1/4	3,802.13	1/4	3,443.79	1/4	3,085.45	1/4	2,727.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,866.18	1/2	4,509.84	1/2	4,152.54	1/2	3,794.66	1/2	3,436.32	1/2	3,077.99	1/2	2,719.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,858.81	3/4	4,502.39	3/4	4,145.10	3/4	3,787.20	3/4	3,428.86	3/4	3,070.52	3/4	2,712.18
7		7		7		7		7	4,851.44	7	4,494.95	7	4,137.66	7	3,779.73	7	3,421.39	7	3,063.05	7	2,704.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,844.07	1/4	4,487.51	1/4	4,130.21	1/4	3,772.27	1/4	3,413.93	1/4	3,055.59	1/4	2,697.25
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,836.70	1/2	4,480.06	1/2	4,122.77	1/2	3,764.80	1/2	3,406.46	1/2	3,048.12	1/2	2,689.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,829.33	3/4	4,472.62	3/4	4,115.33	3/4	3,757.34	3/4	3,399.00	3/4	3,040.66	3/4	2,682.32
8		8		8		8		8	4,821.96	8	4,465.18	8	4,107.88	8	3,749.87	8	3,391.53	8	3,033.19	8	2,674.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,814.58	1/4	4,457.73	1/4	4,100.44	1/4	3,742.41	1/4	3,384.07	1/4	3,025.73	1/4	2,667.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,807.21	1/2	4,450.29	1/2	4,093.00	1/2	3,734.94	1/2	3,376.60	1/2	3,018.26	1/2	2,659.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,799.84	3/4	4,442.85	3/4	4,085.55	3/4	3,727.47	3/4	3,369.14	3/4	3,010.80	3/4	2,652.46
9		9		9		9		9	4,792.47	9	4,435.40	9	4,078.11	9	3,720.01	9	3,361.67	9	3,003.33	9	2,644.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,785.10	1/4	4,427.96	1/4	4,070.67	1/4	3,712.54	1/4	3,354.20	1/4	2,995.87	1/4	2,637.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,777.73	1/2	4,420.51	1/2	4,063.22	1/2	3,705.08	1/2	3,346.74	1/2	2,988.40	1/2	2,630.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,770.36	3/4	4,413.07	3/4	4,055.78	3/4	3,697.61	3/4	3,339.27	3/4	2,980.93	3/4	2,622.60
10		10		10		10		10	4,762.92	10	4,405.63	10	4,048.33	10	3,690.15	10	3,331.81	10	2,973.47	10	2,615.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,755.48	1/4	4,398.18	1/4	4,040.89	1/4	3,682.68	1/4	3,324.34	1/4	2,966.00	1/4	2,607.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,748.03	1/2	4,390.74	1/2	4,033.45	1/2	3,675.22	1/2	3,316.88	1/2	2,958.54	1/2	2,600.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,740.59	3/4	4,383.30	3/4	4,026.00	3/4	3,667.75	3/4	3,309.41	3/4	2,951.07	3/4	2,592.73
11		11		11		11		11	4,733.15	11	4,375.85	11	4,018.56	11	3,660.29	11	3,301.95	11	2,943.61	11	2,585.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,725.70	1/4	4,368.41	1/4	4,011.12	1/4	3,652.82	1/4	3,294.48	1/4	2,936.14	1/4	2,577.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,718.26	1/2	4,360.97	1/2	4,003.67	1/2	3,645.36	1/2	3,287.02	1/2	2,928.68	1/2	2,570.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,710.81	3/4	4,353.52	3/4	3,996.23	3/4	3,637.89	3/4	3,279.55	3/4	2,921.21	3/4	2,562.86

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 42'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29130"

1 PORT ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	2,555.40	0	2,196.96	0	1,838.52	0	1,480.08	0	1,121.67	0	765.74	0	409.23	0	89.72	0		0	
1/4	2,547.93	1/4	2,189.49	1/4	1,831.05	1/4	1,472.61	1/4	1,114.23	1/4	758.27	1/4	402.07	1/4	83.62	1/4		1/4	
1/2	2,540.46	1/2	2,182.02	1/2	1,823.58	1/2	1,465.14	1/2	1,106.80	1/2	750.81	1/2	394.91	1/2	77.52	1/2		1/2	
3/4	2,532.99	3/4	2,174.55	3/4	1,816.11	3/4	1,457.67	3/4	1,099.36	3/4	743.34	3/4	387.75	3/4	71.42	3/4		3/4	
1	2,525.53	1	2,167.09	1	1,808.65	1	1,450.21	1	1,091.92	1	735.87	1	380.68	1	65.44	1		1	
1/4	2,518.06	1/4	2,159.62	1/4	1,801.18	1/4	1,442.74	1/4	1,084.49	1/4	728.40	1/4	373.61	1/4	59.45	1/4		1/4	
1/2	2,510.59	1/2	2,152.15	1/2	1,793.71	1/2	1,435.27	1/2	1,077.05	1/2	720.94	1/2	366.53	1/2	53.46	1/2		1/2	
3/4	2,503.12	3/4	2,144.68	3/4	1,786.24	3/4	1,427.80	3/4	1,069.62	3/4	713.47	3/4	359.46	3/4	47.48	3/4		3/4	
2	2,495.66	2	2,137.22	2	1,778.78	2	1,420.34	2	1,062.20	2	706.00	2	352.47	2	42.48	2		2	
1/4	2,488.19	1/4	2,129.75	1/4	1,771.31	1/4	1,412.87	1/4	1,054.78	1/4	698.53	1/4	345.49	1/4	37.48	1/4		1/4	
1/2	2,480.72	1/2	2,122.28	1/2	1,763.84	1/2	1,405.40	1/2	1,047.36	1/2	691.07	1/2	338.50	1/2	32.48	1/2		1/2	
3/4	2,473.25	3/4	2,114.81	3/4	1,756.37	3/4	1,397.93	3/4	1,039.95	3/4	683.60	3/4	331.52	3/4	27.48	3/4		3/4	
3	2,465.79	3	2,107.35	3	1,748.91	3	1,390.47	3	1,032.54	3	676.13	3	324.62	3	24.44	3		3	
1/4	2,458.32	1/4	2,099.88	1/4	1,741.44	1/4	1,383.00	1/4	1,025.13	1/4	668.67	1/4	317.72	1/4	21.39	1/4		1/4	
1/2	2,450.85	1/2	2,092.41	1/2	1,733.97	1/2	1,375.53	1/2	1,017.72	1/2	661.20	1/2	310.82	1/2	18.34	1/2		1/2	
3/4	2,443.38	3/4	2,084.94	3/4	1,726.50	3/4	1,368.06	3/4	1,010.31	3/4	653.73	3/4	303.93	3/4	15.30	3/4		3/4	
4	2,435.92	4	2,077.48	4	1,719.04	4	1,360.60	4	1,002.90	4	646.26	4	297.12	4		4		4	
1/4	2,428.45	1/4	2,070.01	1/4	1,711.57	1/4	1,353.13	1/4	995.50	1/4	638.80	1/4	290.31	1/4		1/4		1/4	
1/2	2,420.98	1/2	2,062.54	1/2	1,704.10	1/2	1,345.66	1/2	988.09	1/2	631.33	1/2	283.50	1/2		1/2		1/2	
3/4	2,413.51	3/4	2,055.07	3/4	1,696.63	3/4	1,338.19	3/4	980.68	3/4	623.86	3/4	276.69	3/4		3/4		3/4	
5	2,406.05	5	2,047.61	5	1,689.17	5	1,330.73	5	973.27	5	616.39	5	269.96	5		5		5	
1/4	2,398.58	1/4	2,040.14	1/4	1,681.70	1/4	1,323.26	1/4	965.86	1/4	608.93	1/4	263.24	1/4		1/4		1/4	
1/2	2,391.11	1/2	2,032.67	1/2	1,674.23	1/2	1,315.79	1/2	958.45	1/2	601.46	1/2	256.52	1/2		1/2		1/2	
3/4	2,383.64	3/4	2,025.20	3/4	1,666.76	3/4	1,308.32	3/4	951.04	3/4	593.99	3/4	249.79	3/4		3/4		3/4	
6	2,376.18	6	2,017.74	6	1,659.30	6	1,300.86	6	943.64	6	586.53	6	243.16	6		6		6	
1/4	2,368.71	1/4	2,010.27	1/4	1,651.83	1/4	1,293.39	1/4	936.23	1/4	579.07	1/4	236.52	1/4		1/4		1/4	
1/2	2,361.24	1/2	2,002.80	1/2	1,644.36	1/2	1,285.92	1/2	928.82	1/2	571.61	1/2	229.89	1/2		1/2		1/2	
3/4	2,353.77	3/4	1,995.33	3/4	1,636.89	3/4	1,278.45	3/4	921.41	3/4	564.14	3/4	223.25	3/4		3/4		3/4	
7	2,346.31	7	1,987.87	7	1,629.43	7	1,270.99	7	914.00	7	556.68	7	216.71	7		7		7	
1/4	2,338.84	1/4	1,980.40	1/4	1,621.96	1/4	1,263.52	1/4	906.59	1/4	549.22	1/4	210.16	1/4		1/4		1/4	
1/2	2,331.37	1/2	1,972.93	1/2	1,614.49	1/2	1,256.05	1/2	899.19	1/2	541.76	1/2	203.61	1/2		1/2		1/2	
3/4	2,323.90	3/4	1,965.46	3/4	1,607.02	3/4	1,248.58	3/4	891.78	3/4	534.30	3/4	197.06	3/4		3/4		3/4	
8	2,316.44	8	1,958.00	8	1,599.56	8	1,241.12	8	884.37	8	526.83	8	190.61	8		8		8	
1/4	2,308.97	1/4	1,950.53	1/4	1,592.09	1/4	1,233.65	1/4	876.96	1/4	519.36	1/4	184.15	1/4		1/4		1/4	
1/2	2,301.50	1/2	1,943.06	1/2	1,584.62	1/2	1,226.18	1/2	869.55	1/2	511.89	1/2	177.69	1/2		1/2		1/2	
3/4	2,294.03	3/4	1,935.59	3/4	1,577.15	3/4	1,218.71	3/4	862.14	3/4	504.43	3/4	171.23	3/4		3/4		3/4	
9	2,286.57	9	1,928.13	9	1,569.69	9	1,211.25	9	854.73	9	497.00	9	164.85	9		9		9	
1/4	2,279.10	1/4	1,920.66	1/4	1,562.22	1/4	1,203.78	1/4	847.33	1/4	489.58	1/4	158.48	1/4		1/4		1/4	
1/2	2,271.63	1/2	1,913.19	1/2	1,554.75	1/2	1,196.31	1/2	839.92	1/2	482.16	1/2	152.11	1/2		1/2		1/2	
3/4	2,264.16	3/4	1,905.72	3/4	1,547.28	3/4	1,188.84	3/4	832.51	3/4	474.73	3/4	145.74	3/4		3/4		3/4	
10	2,256.70	10	1,898.26	10	1,539.82	10	1,181.38	10	825.10	10	467.40	10	139.45	10		10		10	
1/4	2,249.23	1/4	1,890.79	1/4	1,532.35	1/4	1,173.91	1/4	817.69	1/4	460.06	1/4	133.17	1/4		1/4		1/4	
1/2	2,241.76	1/2	1,883.32	1/2	1,524.88	1/2	1,166.44	1/2	810.28	1/2	452.73	1/2	126.88	1/2		1/2		1/2	
3/4	2,234.29	3/4	1,875.85	3/4	1,517.41	3/4	1,158.97	3/4	802.87	3/4	445.39	3/4	120.60	3/4		3/4		3/4	
11	2,226.83	11	1,868.39	11	1,509.95	11	1,151.51	11	795.46	11	438.14	11	114.40	11		11		11	
1/4	2,219.36	1/4	1,860.92	1/4	1,502.48	1/4	1,144.04	1/4	788.04	1/4	430.89	1/4	108.21	1/4		1/4		1/4	
1/2	2,211.89	1/2	1,853.45	1/2	1,495.01	1/2	1,136.57	1/2	780.62	1/2	423.64	1/2	102.01	1/2		1/2		1/2	
3/4	2,204.42	3/4	1,845.98	3/4	1,487.54	3/4	1,129.10	3/4	773.21	3/4	416.40	3/4	95.82	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29130"

1 STBD ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	
0		0		0		0		0	4,710.54	0	4,353.43	0	3,996.31	0	3,638.15	0	3,279.99	0	2,921.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,703.10	1/4	4,345.99	1/4	3,988.85	1/4	3,630.69	1/4	3,272.53	1/4	2,914.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,695.66	1/2	4,338.55	1/2	3,981.39	1/2	3,623.23	1/2	3,265.07	1/2	2,906.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,688.22	3/4	4,331.11	3/4	3,973.93	3/4	3,615.77	3/4	3,257.61	3/4	2,899.44
1		1		1		1	5,022.49	1	4,680.78	1	4,323.67	1	3,966.47	1	3,608.31	1	3,250.14	1	2,891.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,017.30	1/4	4,673.34	1/4	4,316.23	1/4	3,959.01	1/4	3,600.84	1/4	3,242.68	1/4	2,884.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,012.11	1/2	4,665.90	1/2	4,308.79	1/2	3,951.54	1/2	3,593.38	1/2	3,235.22	1/2	2,877.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,006.92	3/4	4,658.46	3/4	4,301.35	3/4	3,944.08	3/4	3,585.92	3/4	3,227.76	3/4	2,869.60
2		2		2		2	5,001.73	2	4,651.02	2	4,293.91	2	3,936.62	2	3,578.46	2	3,220.30	2	2,862.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,995.29	1/4	4,643.58	1/4	4,286.47	1/4	3,929.16	1/4	3,571.00	1/4	3,212.84	1/4	2,854.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,988.86	1/2	4,636.14	1/2	4,279.03	1/2	3,921.70	1/2	3,563.54	1/2	3,205.37	1/2	2,847.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,982.42	3/4	4,628.70	3/4	4,271.59	3/4	3,914.24	3/4	3,556.07	3/4	3,197.91	3/4	2,839.75
3		3		3		3	4,975.98	3	4,621.26	3	4,264.15	3	3,906.77	3	3,548.61	3	3,190.45	3	2,832.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,968.69	1/4	4,613.82	1/4	4,256.71	1/4	3,899.31	1/4	3,541.15	1/4	3,182.99	1/4	2,824.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,961.39	1/2	4,606.38	1/2	4,249.27	1/2	3,891.85	1/2	3,533.69	1/2	3,175.53	1/2	2,817.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,954.09	3/4	4,598.94	3/4	4,241.83	3/4	3,884.39	3/4	3,526.23	3/4	3,167.07	3/4	2,809.90
4		4		4		4	4,946.79	4	4,591.50	4	4,234.39	4	3,876.93	4	3,518.77	4	3,160.60	4	2,802.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,939.44	1/4	4,584.06	1/4	4,226.95	1/4	3,869.47	1/4	3,511.30	1/4	3,153.14	1/4	2,794.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,932.09	1/2	4,576.62	1/2	4,219.51	1/2	3,862.00	1/2	3,503.84	1/2	3,145.68	1/2	2,787.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,924.73	3/4	4,569.18	3/4	4,212.07	3/4	3,854.54	3/4	3,496.38	3/4	3,138.22	3/4	2,780.06
5		5		5		5	4,917.38	5	4,561.74	5	4,204.63	5	3,847.08	5	3,488.92	5	3,130.76	5	2,772.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,910.02	1/4	4,554.30	1/4	4,197.19	1/4	3,839.62	1/4	3,481.46	1/4	3,123.30	1/4	2,765.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,902.65	1/2	4,546.86	1/2	4,189.75	1/2	3,832.16	1/2	3,474.00	1/2	3,115.83	1/2	2,757.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,895.29	3/4	4,539.42	3/4	4,182.31	3/4	3,824.70	3/4	3,466.53	3/4	3,108.37	3/4	2,750.21
6		6		6		6	4,887.92	6	4,531.98	6	4,174.87	6	3,817.23	6	3,459.07	6	3,100.91	6	2,742.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,880.56	1/4	4,524.54	1/4	4,167.43	1/4	3,809.77	1/4	3,451.61	1/4	3,093.45	1/4	2,735.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,873.19	1/2	4,517.10	1/2	4,159.99	1/2	3,802.31	1/2	3,444.15	1/2	3,085.99	1/2	2,727.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,865.82	3/4	4,509.66	3/4	4,152.55	3/4	3,794.85	3/4	3,436.69	3/4	3,078.53	3/4	2,720.36
7		7		7		7	4,858.45	7	4,502.22	7	4,145.11	7	3,787.39	7	3,429.23	7	3,071.06	7	2,712.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,851.08	1/4	4,494.78	1/4	4,137.67	1/4	3,779.93	1/4	3,421.76	1/4	3,063.60	1/4	2,705.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,843.72	1/2	4,487.34	1/2	4,130.23	1/2	3,772.46	1/2	3,414.30	1/2	3,056.14	1/2	2,697.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,836.35	3/4	4,479.90	3/4	4,122.79	3/4	3,765.00	3/4	3,406.84	3/4	3,048.68	3/4	2,690.52
8		8		8		8	4,828.99	8	4,472.46	8	4,115.35	8	3,757.54	8	3,399.38	8	3,041.22	8	2,683.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,821.62	1/4	4,465.02	1/4	4,107.91	1/4	3,750.08	1/4	3,391.92	1/4	3,033.76	1/4	2,675.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,814.25	1/2	4,457.58	1/2	4,100.47	1/2	3,742.62	1/2	3,384.46	1/2	3,026.29	1/2	2,668.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,806.89	3/4	4,450.14	3/4	4,093.03	3/4	3,735.16	3/4	3,376.99	3/4	3,018.83	3/4	2,660.67
9		9		9		9	4,799.52	9	4,442.70	9	4,085.59	9	3,727.69	9	3,369.53	9	3,011.37	9	2,653.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,792.15	1/4	4,435.26	1/4	4,078.15	1/4	3,720.23	1/4	3,362.07	1/4	3,003.91	1/4	2,645.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,784.79	1/2	4,427.82	1/2	4,070.71	1/2	3,712.77	1/2	3,354.61	1/2	2,996.45	1/2	2,638.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,777.42	3/4	4,420.38	3/4	4,063.27	3/4	3,705.31	3/4	3,347.15	3/4	2,988.99	3/4	2,630.82
10		10		10		10	4,770.05	10	4,412.94	10	4,055.83	10	3,697.85	10	3,339.69	10	2,981.52	10	2,623.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,762.61	1/4	4,405.50	1/4	4,048.39	1/4	3,690.39	1/4	3,332.22	1/4	2,974.06	1/4	2,615.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,755.17	1/2	4,398.06	1/2	4,040.95	1/2	3,682.92	1/2	3,324.76	1/2	2,966.60	1/2	2,608.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,747.73	3/4	4,390.62	3/4	4,033.51	3/4	3,675.46	3/4	3,317.30	3/4	2,959.14	3/4	2,600.98
11		11		11		11	4,740.29	11	4,383.18	11	4,026.07	11	3,668.00	11	3,309.84	11	2,951.68	11	2,593.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,732.86	1/4	4,375.74	1/4	4,018.63	1/4	3,660.54	1/4	3,302.38	1/4	2,944.22	1/4	2,586.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,725.42	1/2	4,368.30	1/2	4,011.19	1/2	3,653.08	1/2	3,294.92	1/2	2,936.75	1/2	2,578.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.98	3/4	4,360.87	3/4	4,003.75	3/4	3,645.61	3/4	3,287.45	3/4	2,929.29	3/4	2,571.12

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 42'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CTC 29130"

1 STBD ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	2,563.66	0	2,205.40	0	1,847.14	0	1,488.87	0	1,130.61	0	772.85	0	416.16	0	95.76	0		0	
1/4	2,556.20	1/4	2,197.93	1/4	1,839.67	1/4	1,481.41	1/4	1,123.15	1/4	765.39	1/4	409.01	1/4	89.66	1/4		1/4	
1/2	2,548.73	1/2	2,190.47	1/2	1,832.21	1/2	1,473.95	1/2	1,115.68	1/2	757.92	1/2	401.85	1/2	83.57	1/2		1/2	
3/4	2,541.27	3/4	2,183.01	3/4	1,824.74	3/4	1,466.48	3/4	1,108.22	3/4	750.46	3/4	394.69	3/4	77.47	3/4		3/4	
1	2,533.80	1	2,175.54	1	1,817.28	1	1,459.02	1	1,100.76	1	742.99	1	387.54	1	71.38	1		1	
1/4	2,526.34	1/4	2,168.08	1/4	1,809.82	1/4	1,451.55	1/4	1,093.30	1/4	735.53	1/4	380.47	1/4	65.40	1/4		1/4	
1/2	2,518.88	1/2	2,160.61	1/2	1,802.35	1/2	1,444.09	1/2	1,085.84	1/2	728.07	1/2	373.40	1/2	59.41	1/2		1/2	
3/4	2,511.41	3/4	2,153.15	3/4	1,794.89	3/4	1,436.63	3/4	1,078.38	3/4	720.60	3/4	366.33	3/4	53.43	3/4		3/4	
2	2,503.95	2	2,145.69	2	1,787.42	2	1,429.16	2	1,070.92	2	713.14	2	359.26	2	47.45	2		2	
1/4	2,496.49	1/4	2,138.22	1/4	1,779.96	1/4	1,421.70	1/4	1,063.47	1/4	705.67	1/4	352.28	1/4	42.45	1/4		1/4	
1/2	2,489.02	1/2	2,130.76	1/2	1,772.50	1/2	1,414.23	1/2	1,056.01	1/2	698.21	1/2	345.29	1/2	37.46	1/2		1/2	
3/4	2,481.56	3/4	2,123.30	3/4	1,765.03	3/4	1,406.77	3/4	1,048.55	3/4	690.75	3/4	338.31	3/4	32.46	3/4		3/4	
3	2,474.09	3	2,115.83	3	1,757.57	3	1,399.31	3	1,041.09	3	683.28	3	331.33	3	27.47	3		3	
1/4	2,466.63	1/4	2,108.37	1/4	1,750.11	1/4	1,391.84	1/4	1,033.64	1/4	675.82	1/4	324.44	1/4	24.42	1/4		1/4	
1/2	2,459.17	1/2	2,100.90	1/2	1,742.64	1/2	1,384.38	1/2	1,026.19	1/2	668.36	1/2	317.54	1/2	21.38	1/2		1/2	
3/4	2,451.70	3/4	2,093.44	3/4	1,735.18	3/4	1,376.92	3/4	1,018.74	3/4	660.89	3/4	310.65	3/4	18.33	3/4		3/4	
4	2,444.24	4	2,085.98	4	1,727.71	4	1,369.45	4	1,011.29	4	653.43	4	303.75	4	15.29	4		4	
1/4	2,436.78	1/4	2,078.51	1/4	1,720.25	1/4	1,361.99	1/4	1,003.84	1/4	645.96	1/4	296.95	1/4		1/4		1/4	
1/2	2,429.31	1/2	2,071.05	1/2	1,712.79	1/2	1,354.52	1/2	996.39	1/2	638.50	1/2	290.14	1/2		1/2		1/2	
3/4	2,421.85	3/4	2,063.59	3/4	1,705.32	3/4	1,347.06	3/4	988.94	3/4	631.04	3/4	283.33	3/4		3/4		3/4	
5	2,414.38	5	2,056.12	5	1,697.86	5	1,339.60	5	981.49	5	623.57	5	276.53	5		5		5	
1/4	2,406.92	1/4	2,048.66	1/4	1,690.40	1/4	1,332.13	1/4	974.04	1/4	616.11	1/4	269.81	1/4		1/4		1/4	
1/2	2,399.46	1/2	2,041.19	1/2	1,682.93	1/2	1,324.67	1/2	966.60	1/2	608.65	1/2	263.09	1/2		1/2		1/2	
3/4	2,391.99	3/4	2,033.73	3/4	1,675.47	3/4	1,317.21	3/4	959.15	3/4	601.18	3/4	256.37	3/4		3/4		3/4	
6	2,384.53	6	2,026.27	6	1,668.00	6	1,309.74	6	951.70	6	593.72	6	249.65	6		6		6	
1/4	2,377.07	1/4	2,018.80	1/4	1,660.54	1/4	1,302.28	1/4	944.25	1/4	586.25	1/4	243.02	1/4		1/4		1/4	
1/2	2,369.60	1/2	2,011.34	1/2	1,653.08	1/2	1,294.81	1/2	936.80	1/2	578.79	1/2	236.39	1/2		1/2		1/2	
3/4	2,362.14	3/4	2,003.88	3/4	1,645.61	3/4	1,287.35	3/4	929.35	3/4	571.33	3/4	229.76	3/4		3/4		3/4	
7	2,354.67	7	1,996.41	7	1,638.15	7	1,279.89	7	921.90	7	563.86	7	223.12	7		7		7	
1/4	2,347.21	1/4	1,988.95	1/4	1,630.69	1/4	1,272.42	1/4	914.45	1/4	556.40	1/4	216.58	1/4		1/4		1/4	
1/2	2,339.75	1/2	1,981.48	1/2	1,623.22	1/2	1,264.96	1/2	907.00	1/2	548.93	1/2	210.04	1/2		1/2		1/2	
3/4	2,332.28	3/4	1,974.02	3/4	1,615.76	3/4	1,257.50	3/4	899.55	3/4	541.47	3/4	203.49	3/4		3/4		3/4	
8	2,324.82	8	1,966.56	8	1,608.29	8	1,250.03	8	892.10	8	534.01	8	196.95	8		8		8	
1/4	2,317.35	1/4	1,959.09	1/4	1,600.83	1/4	1,242.57	1/4	884.65	1/4	526.54	1/4	190.49	1/4		1/4		1/4	
1/2	2,309.89	1/2	1,951.63	1/2	1,593.37	1/2	1,235.10	1/2	877.20	1/2	519.08	1/2	184.04	1/2		1/2		1/2	
3/4	2,302.43	3/4	1,944.16	3/4	1,585.90	3/4	1,227.64	3/4	869.75	3/4	511.62	3/4	177.58	3/4		3/4		3/4	
9	2,294.96	9	1,936.70	9	1,578.44	9	1,220.18	9	862.30	9	504.15	9	171.12	9		9		9	
1/4	2,287.50	1/4	1,929.24	1/4	1,570.97	1/4	1,212.71	1/4	854.85	1/4	496.73	1/4	164.76	1/4		1/4		1/4	
1/2	2,280.04	1/2	1,921.77	1/2	1,563.51	1/2	1,205.25	1/2	847.40	1/2	489.31	1/2	158.39	1/2		1/2		1/2	
3/4	2,272.57	3/4	1,914.31	3/4	1,556.05	3/4	1,197.78	3/4	839.95	3/4	481.89	3/4	152.02	3/4		3/4		3/4	
10	2,265.11	10	1,906.85	10	1,548.58	10	1,190.32	10	832.50	10	474.47	10	145.65	10		10		10	
1/4	2,257.64	1/4	1,899.38	1/4	1,541.12	1/4	1,182.86	1/4	825.05	1/4	467.14	1/4	139.37	1/4		1/4		1/4	
1/2	2,250.18	1/2	1,891.92	1/2	1,533.66	1/2	1,175.39	1/2	817.60	1/2	459.81	1/2	133.09	1/2		1/2		1/2	
3/4	2,242.72	3/4	1,884.45	3/4	1,526.19	3/4	1,167.93	3/4	810.15	3/4	452.48	3/4	126.81	3/4		3/4		3/4	
11	2,235.25	11	1,876.99	11	1,518.73	11	1,160.47	11	802.70	11	445.14	11	120.53	11		11		11	
1/4	2,227.79	1/4	1,869.53	1/4	1,511.26	1/4	1,153.00	1/4	795.24	1/4	437.90	1/4	114.33	1/4		1/4		1/4	
1/2	2,220.33	1/2	1,862.06	1/2	1,503.80	1/2	1,145.54	1/2	787.78	1/2	430.65	1/2	108.14	1/2		1/2		1/2	
3/4	2,212.86	3/4	1,854.60	3/4	1,496.34	3/4	1,138.07	3/4	780.31	3/4	423.41	3/4	101.95	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTC 29130"

2 PORT ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	4,777.81	0	4,419.30	0	4,060.78	0	3,701.21	0	3,341.64	0	2,982.08		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.34	1/4	4,411.83	1/4	4,053.29	1/4	3,693.72	1/4	3,334.15	1/4	2,974.58		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,762.87	1/2	4,404.36	1/2	4,045.80	1/2	3,686.23	1/2	3,326.66	1/2	2,967.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,755.41	3/4	4,396.89	3/4	4,038.31	3/4	3,678.74	3/4	3,319.17	3/4	2,959.60		
1		1		1		1	5,091.23	1	4,747.94	1	4,389.42	1	4,030.82	1	3,671.25	1	3,311.68	1	2,952.11		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,086.01	1/4	4,740.47	1/4	4,381.95	1/4	4,023.32	1/4	3,663.76	1/4	3,304.19	1/4	2,944.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,080.79	1/2	4,733.00	1/2	4,374.48	1/2	4,015.83	1/2	3,656.27	1/2	3,296.70	1/2	2,937.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,075.58	3/4	4,725.53	3/4	4,367.01	3/4	4,008.34	3/4	3,648.77	3/4	3,289.21	3/4	2,929.64		
2		2		2		2	5,070.36	2	4,718.06	2	4,359.54	2	4,000.85	2	3,641.28	2	3,281.72	2	2,922.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,063.89	1/4	4,710.59	1/4	4,352.07	1/4	3,993.36	1/4	3,633.79	1/4	3,274.22	1/4	2,914.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,057.43	1/2	4,703.12	1/2	4,344.60	1/2	3,985.87	1/2	3,626.30	1/2	3,266.73	1/2	2,907.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,050.96	3/4	4,695.65	3/4	4,337.14	3/4	3,978.38	3/4	3,618.81	3/4	3,259.24	3/4	2,899.67		
3		3		3		3	5,044.49	3	4,688.18	3	4,329.67	3	3,970.89	3	3,611.32	3	3,251.75	3	2,892.18		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,037.16	1/4	4,680.71	1/4	4,322.20	1/4	3,963.40	1/4	3,603.83	1/4	3,244.26	1/4	2,884.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,029.83	1/2	4,673.25	1/2	4,314.73	1/2	3,955.91	1/2	3,596.34	1/2	3,236.77	1/2	2,877.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,022.50	3/4	4,665.78	3/4	4,307.26	3/4	3,948.41	3/4	3,588.85	3/4	3,229.28	3/4	2,869.71		
4		4		4		4	5,015.16	4	4,658.31	4	4,299.79	4	3,940.92	4	3,581.36	4	3,221.79	4	2,862.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,007.78	1/4	4,650.84	1/4	4,292.32	1/4	3,933.43	1/4	3,573.86	1/4	3,214.30	1/4	2,854.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,000.39	1/2	4,643.37	1/2	4,284.85	1/2	3,925.94	1/2	3,566.37	1/2	3,206.81	1/2	2,847.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,993.00	3/4	4,635.90	3/4	4,277.38	3/4	3,918.45	3/4	3,558.88	3/4	3,199.31	3/4	2,839.75		
5		5		5		5	4,985.61	5	4,628.43	5	4,269.91	5	3,910.96	5	3,551.39	5	3,191.82	5	2,832.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,978.21	1/4	4,620.96	1/4	4,262.44	1/4	3,903.47	1/4	3,543.90	1/4	3,184.33	1/4	2,824.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,970.81	1/2	4,613.49	1/2	4,254.98	1/2	3,895.98	1/2	3,536.41	1/2	3,176.84	1/2	2,817.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,963.41	3/4	4,606.02	3/4	4,247.51	3/4	3,888.49	3/4	3,528.92	3/4	3,169.35	3/4	2,809.78		
6		6		6		6	4,956.02	6	4,598.55	6	4,240.04	6	3,881.00	6	3,521.43	6	3,161.86	6	2,802.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,948.61	1/4	4,591.09	1/4	4,232.57	1/4	3,873.50	1/4	3,513.94	1/4	3,154.37	1/4	2,794.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,941.21	1/2	4,583.62	1/2	4,225.10	1/2	3,866.01	1/2	3,506.45	1/2	3,146.88	1/2	2,787.31		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,933.81	3/4	4,576.15	3/4	4,217.63	3/4	3,858.52	3/4	3,498.95	3/4	3,139.39	3/4	2,779.82		
7		7		7		7	4,926.40	7	4,568.68	7	4,210.16	7	3,851.03	7	3,491.46	7	3,131.90	7	2,772.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,919.00	1/4	4,561.21	1/4	4,202.69	1/4	3,843.54	1/4	3,483.97	1/4	3,124.40	1/4	2,764.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,911.60	1/2	4,553.74	1/2	4,195.22	1/2	3,836.05	1/2	3,476.48	1/2	3,116.91	1/2	2,757.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,904.19	3/4	4,546.27	3/4	4,187.75	3/4	3,828.56	3/4	3,468.99	3/4	3,109.42	3/4	2,749.85		
8		8		8		8	4,896.79	8	4,538.80	8	4,180.28	8	3,821.07	8	3,461.50	8	3,101.93	8	2,742.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,889.39	1/4	4,531.33	1/4	4,172.82	1/4	3,813.58	1/4	3,454.01	1/4	3,094.44	1/4	2,734.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,881.98	1/2	4,523.86	1/2	4,165.35	1/2	3,806.09	1/2	3,446.52	1/2	3,086.95	1/2	2,727.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,874.58	3/4	4,516.39	3/4	4,157.88	3/4	3,798.59	3/4	3,439.03	3/4	3,079.46	3/4	2,719.89		
9		9		9		9	4,867.18	9	4,508.93	9	4,150.41	9	3,791.10	9	3,431.54	9	3,071.97	9	2,712.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,859.77	1/4	4,501.46	1/4	4,142.94	1/4	3,783.61	1/4	3,424.04	1/4	3,064.48	1/4	2,704.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,852.37	1/2	4,493.99	1/2	4,135.47	1/2	3,776.12	1/2	3,416.55	1/2	3,056.99	1/2	2,697.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,844.97	3/4	4,486.52	3/4	4,128.00	3/4	3,768.63	3/4	3,409.06	3/4	3,049.49	3/4	2,689.93		
10		10		10		10	4,837.57	10	4,479.05	10	4,120.53	10	3,761.14	10	3,401.57	10	3,042.00	10	2,682.44		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,830.10	1/4	4,471.58	1/4	4,113.06	1/4	3,753.65	1/4	3,394.08	1/4	3,034.51	1/4	2,674.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,822.63	1/2	4,464.11	1/2	4,105.59	1/2	3,746.16	1/2	3,386.59	1/2	3,027.02	1/2	2,667.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.16	3/4	4,456.64	3/4	4,098.12	3/4	3,738.67	3/4	3,379.10	3/4	3,019.53	3/4	2,659.96		
11		11		11		11	4,807.69	11	4,449.17	11	4,090.66	11	3,731.18	11	3,371.61	11	3,012.04	11	2,652.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,800.22	1/4	4,441.70	1/4	4,083.19	1/4	3,723.68	1/4	3,364.12	1/4	3,004.55	1/4	2,644.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,792.75	1/2	4,434.23	1/2	4,075.72	1/2	3,716.19	1/2	3,356.63	1/2	2,997.06	1/2	2,637.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,785.28	3/4	4,426.77	3/4	4,068.25	3/4	3,708.70	3/4	3,349.13	3/4	2,989.57	3/4	2,630.00		

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 36'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CTC 29130"

2 PORT ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	2,622.51	0	2,262.94	0	1,903.37	0	1,543.80	0	1,184.24	0	839.16	0	479.59	0	120.03	0		0	
1/4	2,615.02	1/4	2,255.45	1/4	1,895.88	1/4	1,536.31	1/4	1,177.03	1/4	831.67	1/4	472.10	1/4	112.55	1/4		1/4	
1/2	2,607.53	1/2	2,247.96	1/2	1,888.39	1/2	1,528.82	1/2	1,169.82	1/2	824.18	1/2	464.61	1/2	105.07	1/2		1/2	
3/4	2,600.03	3/4	2,240.47	3/4	1,880.90	3/4	1,521.33	3/4	1,162.61	3/4	816.69	3/4	457.12	3/4	97.59	3/4		3/4	
1	2,592.54	1	2,232.98	1	1,873.41	1	1,513.84	1	1,155.40	1	809.20	1	449.63	1	90.11	1		1	
1/4	2,585.05	1/4	2,225.48	1/4	1,865.92	1/4	1,506.35	1/4	1,148.21	1/4	801.71	1/4	442.14	1/4	82.66	1/4		1/4	
1/2	2,577.56	1/2	2,217.99	1/2	1,858.43	1/2	1,498.86	1/2	1,141.02	1/2	794.22	1/2	434.65	1/2	75.20	1/2		1/2	
3/4	2,570.07	3/4	2,210.50	3/4	1,850.93	3/4	1,491.37	3/4	1,133.83	3/4	786.72	3/4	427.16	3/4	67.75	3/4		3/4	
2	2,562.58	2	2,203.01	2	1,843.44	2	1,483.88	2	1,126.64	2	779.23	2	419.67	2	60.29	2		2	
1/4	2,555.09	1/4	2,195.52	1/4	1,835.95	1/4	1,476.38	1/4	1,119.44	1/4	771.74	1/4	412.17	1/4	53.74	1/4		1/4	
1/2	2,547.60	1/2	2,188.03	1/2	1,828.46	1/2	1,468.89	1/2	1,112.25	1/2	764.25	1/2	404.68	1/2	47.19	1/2		1/2	
3/4	2,540.11	3/4	2,180.54	3/4	1,820.97	3/4	1,461.40	3/4	1,105.06	3/4	756.76	3/4	397.19	3/4	40.63	3/4		3/4	
3	2,532.62	3	2,173.05	3	1,813.48	3	1,453.91	3	1,097.87	3	749.27	3	389.70	3	34.08	3		3	
1/4	2,525.12	1/4	2,165.56	1/4	1,805.99	1/4	1,446.42	1/4	1,090.68	1/4	741.78	1/4	382.21	1/4	29.40	1/4		1/4	
1/2	2,517.63	1/2	2,158.07	1/2	1,798.50	1/2	1,438.93	1/2	1,083.50	1/2	734.29	1/2	374.72	1/2	24.72	1/2		1/2	
3/4	2,510.14	3/4	2,150.57	3/4	1,791.01	3/4	1,431.44	3/4	1,076.32	3/4	726.80	3/4	367.23	3/4	20.03	3/4		3/4	
4	2,502.65	4	2,143.08	4	1,783.52	4	1,423.95	4	1,069.13	4	719.31	4	359.74	4	15.35	4		4	
1/4	2,495.16	1/4	2,135.59	1/4	1,776.02	1/4	1,416.46	1/4	1,061.95	1/4	711.81	1/4	352.25	1/4		1/4		1/4	
1/2	2,487.67	1/2	2,128.10	1/2	1,768.53	1/2	1,408.97	1/2	1,054.77	1/2	704.32	1/2	344.76	1/2		1/2		1/2	
3/4	2,480.18	3/4	2,120.61	3/4	1,761.04	3/4	1,401.47	3/4	1,047.58	3/4	696.83	3/4	337.26	3/4		3/4		3/4	
5	2,472.69	5	2,113.12	5	1,753.55	5	1,393.98	5	1,040.40	5	689.34	5	329.77	5		5		5	
1/4	2,465.20	1/4	2,105.63	1/4	1,746.06	1/4	1,386.49	1/4	1,033.21	1/4	681.85	1/4	322.28	1/4		1/4		1/4	
1/2	2,457.71	1/2	2,098.14	1/2	1,738.57	1/2	1,379.00	1/2	1,026.03	1/2	674.36	1/2	314.79	1/2		1/2		1/2	
3/4	2,450.21	3/4	2,090.65	3/4	1,731.08	3/4	1,371.51	3/4	1,018.85	3/4	666.87	3/4	307.30	3/4		3/4		3/4	
6	2,442.72	6	2,083.16	6	1,723.59	6	1,364.02	6	1,011.66	6	659.38	6	299.81	6		6		6	
1/4	2,435.23	1/4	2,075.66	1/4	1,716.10	1/4	1,356.53	1/4	1,004.48	1/4	651.89	1/4	292.32	1/4		1/4		1/4	
1/2	2,427.74	1/2	2,068.17	1/2	1,708.61	1/2	1,349.04	1/2	997.30	1/2	644.40	1/2	284.83	1/2		1/2		1/2	
3/4	2,420.25	3/4	2,060.68	3/4	1,701.11	3/4	1,341.55	3/4	990.11	3/4	636.90	3/4	277.34	3/4		3/4		3/4	
7	2,412.76	7	2,053.19	7	1,693.62	7	1,334.06	7	982.93	7	629.41	7	269.85	7		7		7	
1/4	2,405.27	1/4	2,045.70	1/4	1,686.13	1/4	1,326.56	1/4	975.75	1/4	621.92	1/4	262.35	1/4		1/4		1/4	
1/2	2,397.78	1/2	2,038.21	1/2	1,678.64	1/2	1,319.07	1/2	968.56	1/2	614.43	1/2	254.86	1/2		1/2		1/2	
3/4	2,390.29	3/4	2,030.72	3/4	1,671.15	3/4	1,311.58	3/4	961.38	3/4	606.94	3/4	247.37	3/4		3/4		3/4	
8	2,382.80	8	2,023.23	8	1,663.66	8	1,304.09	8	954.20	8	599.45	8	239.88	8		8		8	
1/4	2,375.30	1/4	2,015.74	1/4	1,656.17	1/4	1,296.60	1/4	947.01	1/4	591.96	1/4	232.39	1/4		1/4		1/4	
1/2	2,367.81	1/2	2,008.25	1/2	1,648.68	1/2	1,289.11	1/2	939.83	1/2	584.47	1/2	224.90	1/2		1/2		1/2	
3/4	2,360.32	3/4	2,000.75	3/4	1,641.19	3/4	1,281.62	3/4	932.64	3/4	576.98	3/4	217.41	3/4		3/4		3/4	
9	2,352.83	9	1,993.26	9	1,633.70	9	1,274.13	9	925.46	9	569.49	9	209.92	9		9		9	
1/4	2,345.34	1/4	1,985.77	1/4	1,626.20	1/4	1,266.64	1/4	918.28	1/4	561.99	1/4	202.43	1/4		1/4		1/4	
1/2	2,337.85	1/2	1,978.28	1/2	1,618.71	1/2	1,259.15	1/2	911.09	1/2	554.50	1/2	194.94	1/2		1/2		1/2	
3/4	2,330.36	3/4	1,970.79	3/4	1,611.22	3/4	1,251.65	3/4	903.91	3/4	547.01	3/4	187.44	3/4		3/4		3/4	
10	2,322.87	10	1,963.30	10	1,603.73	10	1,244.16	10	896.73	10	539.52	10	179.95	10		10		10	
1/4	2,315.38	1/4	1,955.81	1/4	1,596.24	1/4	1,236.67	1/4	889.54	1/4	532.03	1/4	172.46	1/4		1/4		1/4	
1/2	2,307.89	1/2	1,948.32	1/2	1,588.75	1/2	1,229.18	1/2	882.36	1/2	524.54	1/2	164.97	1/2		1/2		1/2	
3/4	2,300.39	3/4	1,940.83	3/4	1,581.26	3/4	1,221.69	3/4	875.18	3/4	517.05	3/4	157.48	3/4		3/4		3/4	
11	2,292.90	11	1,933.34	11	1,573.77	11	1,214.20	11	867.99	11	509.56	11	149.99	11		11		11	
1/4	2,285.41	1/4	1,925.84	1/4	1,566.28	1/4	1,206.71	1/4	860.78	1/4	502.07	1/4	142.50	1/4		1/4		1/4	
1/2	2,277.92	1/2	1,918.35	1/2	1,558.79	1/2	1,199.22	1/2	853.58	1/2	494.58	1/2	135.01	1/2		1/2		1/2	
3/4	2,270.43	3/4	1,910.86	3/4	1,551.29	3/4	1,191.73	3/4	846.37	3/4	487.08	3/4	127.52	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "CTC 29130"

2 STBD ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	
0		0		0		0		0	4,777.42	0	4,418.91	0	4,060.35	0	3,700.81	0	3,341.26	0	2,981.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,769.95	1/4	4,411.44	1/4	4,052.86	1/4	3,693.32	1/4	3,333.77	1/4	2,974.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,105.55	1/2	4,762.48	1/2	4,403.97	1/2	3,685.82	1/2	3,326.28	1/2	2,966.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,100.34	3/4	4,755.02	3/4	4,396.50	3/4	4,037.88	3/4	3,678.33	3/4	2,959.24
1		1		1		1		1	5,095.13	1	4,747.55	1	4,389.03	1	4,030.39	1	3,670.84	1	3,311.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,089.91	1/4	4,740.08	1/4	4,381.57	1/4	4,022.90	1/4	3,663.35	1/4	3,303.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,084.70	1/2	4,732.61	1/2	4,374.10	1/2	4,015.41	1/2	3,655.86	1/2	3,296.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,078.24	3/4	4,725.14	3/4	4,366.63	3/4	4,007.92	3/4	3,648.37	3/4	2,929.27
2		2		2		2		2	5,071.78	2	4,717.67	2	4,359.16	2	4,000.43	2	3,640.88	2	3,281.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,065.32	1/4	4,710.20	1/4	4,351.69	1/4	3,992.94	1/4	3,633.39	1/4	3,273.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,058.86	1/2	4,702.73	1/2	4,344.22	1/2	3,985.45	1/2	3,625.90	1/2	3,266.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,051.53	3/4	4,695.26	3/4	4,336.75	3/4	3,977.96	3/4	3,618.41	3/4	3,258.86
3		3		3		3		3	5,044.21	3	4,687.79	3	4,329.28	3	3,970.47	3	3,610.92	3	3,251.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,036.88	1/4	4,680.33	1/4	4,321.81	1/4	3,962.98	1/4	3,603.43	1/4	3,243.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,029.56	1/2	4,672.86	1/2	4,314.34	1/2	3,955.49	1/2	3,595.94	1/2	3,236.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,022.17	3/4	4,665.39	3/4	4,306.87	3/4	3,948.00	3/4	3,588.45	3/4	3,228.90
4		4		4		4		4	5,014.79	4	4,657.92	4	4,299.41	4	3,940.51	4	3,580.96	4	3,221.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,007.41	1/4	4,650.45	1/4	4,291.94	1/4	3,933.01	1/4	3,573.47	1/4	3,213.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,000.02	1/2	4,642.98	1/2	4,284.47	1/2	3,925.52	1/2	3,565.98	1/2	3,206.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,992.63	3/4	4,635.51	3/4	4,277.00	3/4	3,918.03	3/4	3,558.48	3/4	3,198.94
5		5		5		5		5	4,985.23	5	4,628.04	5	4,269.53	5	3,910.54	5	3,550.99	5	3,191.45
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,977.84	1/4	4,620.57	1/4	4,262.06	1/4	3,903.05	1/4	3,543.50	1/4	3,183.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,970.44	1/2	4,613.10	1/2	4,254.59	1/2	3,895.56	1/2	3,536.01	1/2	3,176.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,963.05	3/4	4,605.64	3/4	4,247.12	3/4	3,888.07	3/4	3,528.52	3/4	3,168.97
6		6		6		6		6	4,955.65	6	4,598.17	6	4,239.65	6	3,880.58	6	3,521.03	6	3,161.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,948.25	1/4	4,590.70	1/4	4,232.18	1/4	3,873.09	1/4	3,513.54	1/4	3,153.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,940.85	1/2	4,583.23	1/2	4,224.72	1/2	3,865.60	1/2	3,506.05	1/2	3,146.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,933.46	3/4	4,575.76	3/4	4,217.25	3/4	3,858.11	3/4	3,498.56	3/4	3,139.01
7		7		7		7		7	4,926.06	7	4,568.29	7	4,209.78	7	3,850.62	7	3,491.07	7	3,131.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,918.67	1/4	4,560.82	1/4	4,202.31	1/4	3,843.13	1/4	3,483.58	1/4	3,124.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,911.27	1/2	4,553.35	1/2	4,194.84	1/2	3,835.64	1/2	3,476.09	1/2	3,116.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,903.88	3/4	4,545.88	3/4	4,187.37	3/4	3,828.15	3/4	3,468.60	3/4	3,109.05
8		8		8		8		8	4,896.48	8	4,538.41	8	4,179.90	8	3,820.66	8	3,461.11	8	3,101.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,889.09	1/4	4,530.95	1/4	4,172.43	1/4	3,813.16	1/4	3,453.62	1/4	3,094.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,881.69	1/2	4,523.48	1/2	4,164.96	1/2	3,805.67	1/2	3,446.13	1/2	3,086.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,874.30	3/4	4,516.01	3/4	4,157.49	3/4	3,798.18	3/4	3,438.63	3/4	3,079.09
9		9		9		9		9	4,866.90	9	4,508.54	9	4,150.03	9	3,790.69	9	3,431.14	9	3,071.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,859.51	1/4	4,501.07	1/4	4,142.56	1/4	3,783.20	1/4	3,423.65	1/4	3,064.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,852.11	1/2	4,493.60	1/2	4,135.09	1/2	3,775.71	1/2	3,416.16	1/2	3,056.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,844.64	3/4	4,486.13	3/4	4,127.62	3/4	3,768.22	3/4	3,408.67	3/4	3,049.12
10		10		10		10		10	4,837.17	10	4,478.66	10	4,120.15	10	3,760.73	10	3,401.18	10	3,041.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,829.71	1/4	4,471.19	1/4	4,112.68	1/4	3,753.24	1/4	3,393.69	1/4	3,034.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,822.24	1/2	4,463.72	1/2	4,105.21	1/2	3,745.75	1/2	3,386.20	1/2	3,026.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,814.77	3/4	4,456.26	3/4	4,097.74	3/4	3,738.26	3/4	3,378.71	3/4	3,019.16
11		11		11		11		11	4,807.30	11	4,448.79	11	4,090.27	11	3,730.77	11	3,371.22	11	3,011.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,799.83	1/4	4,441.32	1/4	4,082.80	1/4	3,723.28	1/4	3,363.73	1/4	3,004.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,792.36	1/2	4,433.85	1/2	4,075.34	1/2	3,715.79	1/2	3,356.24	1/2	2,996.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,784.89	3/4	4,426.38	3/4	4,067.85	3/4	3,708.30	3/4	3,348.75	3/4	2,989.20

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 36'-09" FORWARD OF AFT BULKHEAD.

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

Pearland, Texas 77588

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BARGE "CTC 29130"

2 STBD ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	2,622.15	0	2,262.49	0	1,902.84	0	1,543.18	0	1,183.53	0	824.38	0	464.72	0	105.09	0		0	
1/4	2,614.65	1/4	2,255.00	1/4	1,895.34	1/4	1,535.69	1/4	1,176.04	1/4	816.88	1/4	457.23	1/4	97.61	1/4		1/4	
1/2	2,607.16	1/2	2,247.51	1/2	1,887.85	1/2	1,528.20	1/2	1,168.54	1/2	809.39	1/2	449.74	1/2	90.13	1/2		1/2	
3/4	2,599.67	3/4	2,240.01	3/4	1,880.36	3/4	1,520.70	3/4	1,161.06	3/4	801.90	3/4	442.24	3/4	82.67	3/4		3/4	
1	2,592.18	1	2,232.52	1	1,872.87	1	1,513.21	1	1,153.57	1	794.41	1	434.75	1	75.22	1		1	
1/4	2,584.68	1/4	2,225.03	1/4	1,865.37	1/4	1,505.72	1/4	1,146.08	1/4	786.91	1/4	427.26	1/4	67.76	1/4		1/4	
1/2	2,577.19	1/2	2,217.54	1/2	1,857.88	1/2	1,498.23	1/2	1,138.59	1/2	779.42	1/2	419.77	1/2	60.30	1/2		1/2	
3/4	2,569.70	3/4	2,210.04	3/4	1,850.39	3/4	1,490.73	3/4	1,131.11	3/4	771.93	3/4	412.27	3/4	53.75	3/4		3/4	
2	2,562.20	2	2,202.55	2	1,842.90	2	1,483.24	2	1,123.62	2	764.43	2	404.78	2	47.20	2		2	
1/4	2,554.71	1/4	2,195.06	1/4	1,835.40	1/4	1,475.75	1/4	1,116.13	1/4	756.94	1/4	397.29	1/4	40.64	1/4		1/4	
1/2	2,547.22	1/2	2,187.56	1/2	1,827.91	1/2	1,468.26	1/2	1,108.65	1/2	749.45	1/2	389.79	1/2	34.09	1/2		1/2	
3/4	2,539.73	3/4	2,180.07	3/4	1,820.42	3/4	1,460.76	3/4	1,101.17	3/4	741.96	3/4	382.30	3/4	29.40	3/4		3/4	
3	2,532.23	3	2,172.58	3	1,812.92	3	1,453.27	3	1,093.69	3	734.46	3	374.81	3	24.72	3		3	
1/4	2,524.74	1/4	2,165.09	1/4	1,805.43	1/4	1,445.78	1/4	1,086.21	1/4	726.97	1/4	367.32	1/4	20.04	1/4		1/4	
1/2	2,517.25	1/2	2,157.59	1/2	1,797.94	1/2	1,438.28	1/2	1,078.73	1/2	719.48	1/2	359.82	1/2	15.35	1/2		1/2	
3/4	2,509.75	3/4	2,150.10	3/4	1,790.45	3/4	1,430.79	3/4	1,071.25	3/4	711.98	3/4	352.33	3/4		3/4		3/4	
4	2,502.26	4	2,142.61	4	1,782.95	4	1,423.30	4	1,063.77	4	704.49	4	344.84	4		4		4	
1/4	2,494.77	1/4	2,135.11	1/4	1,775.46	1/4	1,415.81	1/4	1,056.30	1/4	697.00	1/4	337.34	1/4		1/4		1/4	
1/2	2,487.28	1/2	2,127.62	1/2	1,767.97	1/2	1,408.31	1/2	1,048.82	1/2	689.51	1/2	329.85	1/2		1/2		1/2	
3/4	2,479.78	3/4	2,120.13	3/4	1,760.47	3/4	1,400.82	3/4	1,041.34	3/4	682.01	3/4	322.36	3/4		3/4		3/4	
5	2,472.29	5	2,112.64	5	1,752.98	5	1,393.33	5	1,033.86	5	674.52	5	314.87	5		5		5	
1/4	2,464.80	1/4	2,105.14	1/4	1,745.49	1/4	1,385.83	1/4	1,026.38	1/4	667.03	1/4	307.37	1/4		1/4		1/4	
1/2	2,457.30	1/2	2,097.65	1/2	1,738.00	1/2	1,378.34	1/2	1,018.90	1/2	659.54	1/2	299.88	1/2		1/2		1/2	
3/4	2,449.81	3/4	2,090.16	3/4	1,730.50	3/4	1,370.85	3/4	1,011.43	3/4	652.04	3/4	292.39	3/4		3/4		3/4	
6	2,442.32	6	2,082.66	6	1,723.01	6	1,363.36	6	1,003.95	6	644.55	6	284.90	6		6		6	
1/4	2,434.83	1/4	2,075.17	1/4	1,715.52	1/4	1,355.86	1/4	996.47	1/4	637.06	1/4	277.40	1/4		1/4		1/4	
1/2	2,427.33	1/2	2,067.68	1/2	1,708.02	1/2	1,348.37	1/2	988.99	1/2	629.56	1/2	269.91	1/2		1/2		1/2	
3/4	2,419.84	3/4	2,060.19	3/4	1,700.53	3/4	1,340.88	3/4	981.51	3/4	622.07	3/4	262.42	3/4		3/4		3/4	
7	2,412.35	7	2,052.69	7	1,693.04	7	1,333.38	7	974.03	7	614.58	7	254.92	7		7		7	
1/4	2,404.86	1/4	2,045.20	1/4	1,685.55	1/4	1,325.89	1/4	966.55	1/4	607.09	1/4	247.43	1/4		1/4		1/4	
1/2	2,397.36	1/2	2,037.71	1/2	1,678.05	1/2	1,318.40	1/2	959.08	1/2	599.59	1/2	239.94	1/2		1/2		1/2	
3/4	2,389.87	3/4	2,030.22	3/4	1,670.56	3/4	1,310.91	3/4	951.60	3/4	592.10	3/4	232.45	3/4		3/4		3/4	
8	2,382.38	8	2,022.72	8	1,663.07	8	1,303.41	8	944.12	8	584.61	8	224.95	8		8		8	
1/4	2,374.88	1/4	2,015.23	1/4	1,655.58	1/4	1,295.92	1/4	936.64	1/4	577.11	1/4	217.46	1/4		1/4		1/4	
1/2	2,367.39	1/2	2,007.74	1/2	1,648.08	1/2	1,288.43	1/2	929.16	1/2	569.62	1/2	209.97	1/2		1/2		1/2	
3/4	2,359.90	3/4	2,000.24	3/4	1,640.59	3/4	1,280.94	3/4	921.68	3/4	562.13	3/4	202.47	3/4		3/4		3/4	
9	2,352.41	9	1,992.75	9	1,633.10	9	1,273.44	9	914.20	9	554.64	9	194.98	9		9		9	
1/4	2,344.91	1/4	1,985.26	1/4	1,625.60	1/4	1,265.95	1/4	906.73	1/4	547.14	1/4	187.49	1/4		1/4		1/4	
1/2	2,337.42	1/2	1,977.77	1/2	1,618.11	1/2	1,258.46	1/2	899.25	1/2	539.65	1/2	180.00	1/2		1/2		1/2	
3/4	2,329.93	3/4	1,970.27	3/4	1,610.62	3/4	1,250.96	3/4	891.77	3/4	532.16	3/4	172.50	3/4		3/4		3/4	
10	2,322.43	10	1,962.78	10	1,603.13	10	1,243.47	10	884.29	10	524.66	10	165.01	10		10		10	
1/4	2,314.94	1/4	1,955.29	1/4	1,595.63	1/4	1,235.98	1/4	876.81	1/4	517.17	1/4	157.52	1/4		1/4		1/4	
1/2	2,307.45	1/2	1,947.79	1/2	1,588.14	1/2	1,228.49	1/2	869.33	1/2	509.68	1/2	150.02	1/2		1/2		1/2	
3/4	2,299.96	3/4	1,940.30	3/4	1,580.65	3/4	1,220.99	3/4	861.84	3/4	502.19	3/4	142.53	3/4		3/4		3/4	
11	2,292.46	11	1,932.81	11	1,573.15	11	1,213.50	11	854.35	11	494.69	11	135.04	11		11		11	
1/4	2,284.97	1/4	1,925.32	1/4	1,565.66	1/4	1,206.01	1/4	846.86	1/4	487.20	1/4	127.55	1/4		1/4		1/4	
1/2	2,277.48	1/2	1,917.82	1/2	1,558.17	1/2	1,198.51	1/2	839.36	1/2	479.71	1/2	120.06	1/2		1/2		1/2	
3/4	2,269.98	3/4	1,910.33	3/4	1,550.68	3/4	1,191.02	3/4	831.87	3/4	472.22	3/4	112.58	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "CTC 29130"

3 PORT ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	
0		0		0		0		0	4,265.86	0	4,046.66	0	3,827.46	0	3,607.65	0	3,320.34	0	2,963.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,261.29	1/4	4,042.09	1/4	3,822.88	1/4	3,603.07	1/4	3,312.93	1/4	2,956.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,256.73	1/2	4,037.53	1/2	3,818.30	1/2	3,598.49	1/2	3,305.52	1/2	2,949.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,252.16	3/4	4,032.96	3/4	3,813.72	3/4	3,593.91	3/4	3,298.11	3/4	2,941.58
1		1		1		1	4,457.36	1	4,247.59	1	4,028.39	1	3,809.14	1	3,589.33	1	3,290.71	1	2,934.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,454.17	1/4	4,243.03	1/4	4,023.83	1/4	3,804.56	1/4	3,584.75	1/4	3,283.30	1/4	2,926.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,450.99	1/2	4,238.46	1/2	4,019.26	1/2	3,799.98	1/2	3,580.17	1/2	3,275.89	1/2	2,919.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,447.80	3/4	4,233.89	3/4	4,014.69	3/4	3,795.40	3/4	3,575.59	3/4	3,268.49	3/4	2,911.84
2		2		2		2	4,444.61	2	4,229.33	2	4,010.13	2	3,790.82	2	3,571.01	2	3,261.08	2	2,904.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,440.66	1/4	4,224.76	1/4	4,005.56	1/4	3,786.24	1/4	3,566.43	1/4	3,253.67	1/4	2,896.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,436.71	1/2	4,220.19	1/2	4,000.99	1/2	3,781.66	1/2	3,561.85	1/2	3,246.27	1/2	2,889.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,432.76	3/4	4,215.63	3/4	3,996.43	3/4	3,777.08	3/4	3,557.27	3/4	3,238.86	3/4	2,882.10
3		3		3		3	4,428.81	3	4,211.06	3	3,991.86	3	3,772.51	3	3,552.69	3	3,231.45	3	2,874.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,424.33	1/4	4,206.49	1/4	3,987.29	1/4	3,767.93	1/4	3,547.87	1/4	3,224.04	1/4	2,867.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,419.85	1/2	4,201.93	1/2	3,982.73	1/2	3,763.35	1/2	3,543.06	1/2	3,216.64	1/2	2,859.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,415.37	3/4	4,197.36	3/4	3,978.16	3/4	3,758.77	3/4	3,538.24	3/4	3,209.23	3/4	2,852.36
4		4		4		4	4,410.89	4	4,192.79	4	3,973.59	4	3,754.19	4	3,533.42	4	3,201.82	4	2,844.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,406.38	1/4	4,188.23	1/4	3,969.03	1/4	3,749.61	1/4	3,528.15	1/4	3,194.39	1/4	2,837.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,401.87	1/2	4,183.66	1/2	3,964.46	1/2	3,745.03	1/2	3,522.89	1/2	3,186.95	1/2	2,830.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,397.35	3/4	4,179.09	3/4	3,959.89	3/4	3,740.45	3/4	3,517.63	3/4	3,179.52	3/4	2,822.62
5		5		5		5	4,392.84	5	4,174.53	5	3,955.33	5	3,735.87	5	3,512.37	5	3,172.08	5	2,815.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,388.32	1/4	4,169.96	1/4	3,950.76	1/4	3,731.29	1/4	3,506.63	1/4	3,164.65	1/4	2,807.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,383.79	1/2	4,165.39	1/2	3,946.19	1/2	3,726.71	1/2	3,500.89	1/2	3,157.21	1/2	2,800.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,379.27	3/4	4,160.83	3/4	3,941.63	3/4	3,722.13	3/4	3,495.14	3/4	3,149.78	3/4	2,792.88
6		6		6		6	4,374.75	6	4,156.26	6	3,937.06	6	3,717.55	6	3,489.40	6	3,142.34	6	2,785.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,370.22	1/4	4,151.69	1/4	3,932.49	1/4	3,712.97	1/4	3,483.19	1/4	3,134.91	1/4	2,778.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,365.70	1/2	4,147.13	1/2	3,927.93	1/2	3,708.39	1/2	3,476.98	1/2	3,127.47	1/2	2,770.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,361.18	3/4	4,142.56	3/4	3,923.36	3/4	3,703.81	3/4	3,470.77	3/4	3,120.03	3/4	2,763.14
7		7		7		7	4,356.66	7	4,137.99	7	3,918.79	7	3,699.23	7	3,464.56	7	3,112.60	7	2,755.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,352.13	1/4	4,133.43	1/4	3,914.23	1/4	3,694.66	1/4	3,457.87	1/4	3,105.16	1/4	2,748.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,347.61	1/2	4,128.86	1/2	3,909.66	1/2	3,690.08	1/2	3,451.19	1/2	3,097.73	1/2	2,740.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,343.09	3/4	4,124.29	3/4	3,905.09	3/4	3,685.50	3/4	3,444.50	3/4	3,090.29	3/4	2,733.39
8		8		8		8	4,338.57	8	4,119.73	8	3,900.53	8	3,680.92	8	3,437.81	8	3,082.86	8	2,725.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,334.05	1/4	4,115.16	1/4	3,895.96	1/4	3,676.34	1/4	3,430.65	1/4	3,075.42	1/4	2,718.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,329.53	1/2	4,110.59	1/2	3,891.39	1/2	3,671.76	1/2	3,423.48	1/2	3,067.99	1/2	2,711.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,325.00	3/4	4,106.03	3/4	3,886.83	3/4	3,667.18	3/4	3,416.31	3/4	3,060.55	3/4	2,703.65
9		9		9		9	4,320.48	9	4,101.46	9	3,882.26	9	3,662.60	9	3,409.15	9	3,053.12	9	2,696.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,315.96	1/4	4,096.89	1/4	3,877.69	1/4	3,658.02	1/4	3,401.75	1/4	3,045.68	1/4	2,688.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,311.44	1/2	4,092.33	1/2	3,873.12	1/2	3,653.44	1/2	3,394.36	1/2	3,038.25	1/2	2,681.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,306.92	3/4	4,087.76	3/4	3,868.56	3/4	3,648.86	3/4	3,386.97	3/4	3,030.81	3/4	2,673.91
10		10		10		10	4,302.39	10	4,083.19	10	3,863.99	10	3,644.28	10	3,379.57	10	3,023.37	10	2,666.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,297.83	1/4	4,078.63	1/4	3,859.42	1/4	3,639.70	1/4	3,372.17	1/4	3,015.94	1/4	2,659.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,293.26	1/2	4,074.06	1/2	3,854.86	1/2	3,635.12	1/2	3,364.77	1/2	3,008.50	1/2	2,651.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,288.69	3/4	4,069.49	3/4	3,850.29	3/4	3,630.54	3/4	3,357.37	3/4	3,001.07	3/4	2,644.17
11		11		11		11	4,284.13	11	4,064.93	11	3,845.72	11	3,625.96	11	3,349.96	11	2,993.63	11	2,636.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,279.56	1/4	4,060.36	1/4	3,841.16	1/4	3,621.38	1/4	3,342.56	1/4	2,986.20	1/4	2,629.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,274.99	1/2	4,055.79	1/2	3,836.59	1/2	3,616.81	1/2	3,335.15	1/2	2,978.76	1/2	2,621.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,270.43	3/4	4,051.23	3/4	3,832.02	3/4	3,612.23	3/4	3,327.74	3/4	2,971.33	3/4	2,614.42

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29130"

3 PORT ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	2,606.99	0	2,249.83	0	1,893.13	0	1,536.17	0	1,178.88	0	834.61	0	477.33	0	119.53	0		0	
1/4	2,599.55	1/4	2,242.39	1/4	1,885.70	1/4	1,528.73	1/4	1,171.65	1/4	827.22	1/4	469.89	1/4	112.08	1/4		1/4	
1/2	2,592.11	1/2	2,234.95	1/2	1,878.28	1/2	1,521.28	1/2	1,164.41	1/2	819.84	1/2	462.44	1/2	104.63	1/2		1/2	
3/4	2,584.68	3/4	2,227.51	3/4	1,870.85	3/4	1,513.84	3/4	1,157.17	3/4	812.45	3/4	454.99	3/4	97.18	3/4		3/4	
1	2,577.24	1	2,220.07	1	1,863.42	1	1,506.40	1	1,149.94	1	805.07	1	447.54	1	89.73	1		1	
1/4	2,569.80	1/4	2,212.63	1/4	1,855.99	1/4	1,498.95	1/4	1,142.71	1/4	797.62	1/4	440.09	1/4	82.31	1/4		1/4	
1/2	2,562.37	1/2	2,205.19	1/2	1,848.57	1/2	1,491.51	1/2	1,135.49	1/2	790.17	1/2	432.64	1/2	74.89	1/2		1/2	
3/4	2,554.93	3/4	2,197.75	3/4	1,841.14	3/4	1,484.07	3/4	1,128.27	3/4	782.72	3/4	425.19	3/4	67.46	3/4		3/4	
2	2,547.49	2	2,190.31	2	1,833.71	2	1,476.62	2	1,121.05	2	775.27	2	417.75	2	60.04	2		2	
1/4	2,540.06	1/4	2,182.87	1/4	1,826.29	1/4	1,469.18	1/4	1,113.83	1/4	767.83	1/4	410.30	1/4	53.51	1/4		1/4	
1/2	2,532.62	1/2	2,175.43	1/2	1,818.86	1/2	1,461.74	1/2	1,106.60	1/2	760.38	1/2	402.85	1/2	46.99	1/2		1/2	
3/4	2,525.18	3/4	2,167.99	3/4	1,811.43	3/4	1,454.29	3/4	1,099.38	3/4	752.93	3/4	395.40	3/4	40.46	3/4		3/4	
3	2,517.75	3	2,160.55	3	1,804.01	3	1,446.85	3	1,092.16	3	745.48	3	387.95	3	33.93	3		3	
1/4	2,510.31	1/4	2,153.11	1/4	1,796.58	1/4	1,439.40	1/4	1,085.01	1/4	738.03	1/4	380.50	1/4	29.27	1/4		1/4	
1/2	2,502.87	1/2	2,145.67	1/2	1,789.15	1/2	1,431.96	1/2	1,077.86	1/2	730.58	1/2	373.06	1/2	24.61	1/2		1/2	
3/4	2,495.44	3/4	2,138.23	3/4	1,781.72	3/4	1,424.52	3/4	1,070.70	3/4	723.13	3/4	365.61	3/4	19.95	3/4		3/4	
4	2,488.00	4	2,130.79	4	1,774.30	4	1,417.07	4	1,063.55	4	715.69	4	358.16	4	15.29	4		4	
1/4	2,480.57	1/4	2,123.35	1/4	1,766.87	1/4	1,409.63	1/4	1,056.40	1/4	708.24	1/4	350.71	1/4		1/4		1/4	
1/2	2,473.13	1/2	2,115.91	1/2	1,759.44	1/2	1,402.19	1/2	1,049.25	1/2	700.79	1/2	343.26	1/2		1/2		1/2	
3/4	2,465.69	3/4	2,108.47	3/4	1,752.02	3/4	1,394.74	3/4	1,042.10	3/4	693.34	3/4	335.81	3/4		3/4		3/4	
5	2,458.26	5	2,101.03	5	1,744.59	5	1,387.30	5	1,034.95	5	685.89	5	328.36	5		5		5	
1/4	2,450.82	1/4	2,093.61	1/4	1,737.14	1/4	1,379.86	1/4	1,027.79	1/4	678.44	1/4	320.92	1/4		1/4		1/4	
1/2	2,443.38	1/2	2,086.19	1/2	1,729.70	1/2	1,372.41	1/2	1,020.64	1/2	671.00	1/2	313.47	1/2		1/2		1/2	
3/4	2,435.95	3/4	2,078.77	3/4	1,722.26	3/4	1,364.97	3/4	1,013.49	3/4	663.55	3/4	306.02	3/4		3/4		3/4	
6	2,428.51	6	2,071.35	6	1,714.81	6	1,357.53	6	1,006.34	6	656.10	6	298.57	6		6		6	
1/4	2,421.06	1/4	2,063.93	1/4	1,707.37	1/4	1,350.08	1/4	999.19	1/4	648.65	1/4	291.11	1/4		1/4		1/4	
1/2	2,413.62	1/2	2,056.51	1/2	1,699.93	1/2	1,342.64	1/2	992.04	1/2	641.20	1/2	283.65	1/2		1/2		1/2	
3/4	2,406.17	3/4	2,049.09	3/4	1,692.48	3/4	1,335.20	3/4	984.88	3/4	633.75	3/4	276.19	3/4		3/4		3/4	
7	2,398.73	7	2,041.67	7	1,685.04	7	1,327.75	7	977.73	7	626.30	7	268.73	7		7		7	
1/4	2,391.28	1/4	2,034.25	1/4	1,677.60	1/4	1,320.31	1/4	970.58	1/4	618.86	1/4	261.27	1/4		1/4		1/4	
1/2	2,383.83	1/2	2,026.82	1/2	1,670.15	1/2	1,312.87	1/2	963.43	1/2	611.41	1/2	253.81	1/2		1/2		1/2	
3/4	2,376.39	3/4	2,019.39	3/4	1,662.71	3/4	1,305.42	3/4	956.28	3/4	603.96	3/4	246.35	3/4		3/4		3/4	
8	2,368.94	8	2,011.96	8	1,655.27	8	1,297.98	8	949.13	8	596.51	8	238.89	8		8		8	
1/4	2,361.50	1/4	2,004.54	1/4	1,647.82	1/4	1,290.53	1/4	941.97	1/4	589.06	1/4	231.43	1/4		1/4		1/4	
1/2	2,354.05	1/2	1,997.11	1/2	1,640.38	1/2	1,283.09	1/2	934.82	1/2	581.61	1/2	223.97	1/2		1/2		1/2	
3/4	2,346.61	3/4	1,989.68	3/4	1,632.94	3/4	1,275.65	3/4	927.67	3/4	574.16	3/4	216.51	3/4		3/4		3/4	
9	2,339.16	9	1,982.26	9	1,625.49	9	1,268.20	9	920.52	9	566.72	9	209.05	9		9		9	
1/4	2,331.71	1/4	1,974.83	1/4	1,618.05	1/4	1,260.76	1/4	913.37	1/4	559.27	1/4	201.59	1/4		1/4		1/4	
1/2	2,324.27	1/2	1,967.40	1/2	1,610.61	1/2	1,253.32	1/2	906.22	1/2	551.82	1/2	194.13	1/2		1/2		1/2	
3/4	2,316.82	3/4	1,959.97	3/4	1,603.16	3/4	1,245.87	3/4	899.06	3/4	544.37	3/4	186.67	3/4		3/4		3/4	
10	2,309.38	10	1,952.55	10	1,595.72	10	1,238.43	10	891.91	10	536.92	10	179.21	10		10		10	
1/4	2,301.93	1/4	1,945.12	1/4	1,588.27	1/4	1,230.99	1/4	884.76	1/4	529.47	1/4	171.75	1/4		1/4		1/4	
1/2	2,294.49	1/2	1,937.69	1/2	1,580.83	1/2	1,223.54	1/2	877.61	1/2	522.03	1/2	164.29	1/2		1/2		1/2	
3/4	2,287.04	3/4	1,930.27	3/4	1,573.39	3/4	1,216.10	3/4	870.46	3/4	514.58	3/4	156.83	3/4		3/4		3/4	
11	2,279.59	11	1,922.84	11	1,565.94	11	1,208.66	11	863.31	11	507.13	11	149.37	11		11		11	
1/4	2,272.15	1/4	1,915.41	1/4	1,558.50	1/4	1,201.21	1/4	856.13	1/4	499.68	1/4	141.91	1/4		1/4		1/4	
1/2	2,264.71	1/2	1,907.98	1/2	1,551.06	1/2	1,193.77	1/2	848.96	1/2	492.23	1/2	134.45	1/2		1/2		1/2	
3/4	2,257.27	3/4	1,900.56	3/4	1,543.61	3/4	1,186.33	3/4	841.78	3/4	484.78	3/4	126.99	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29130"

3 STBD ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	
0		0		0		0		0	4,287.26	0	4,067.96	0	3,848.67	0	3,628.77	0	3,341.04	0	2,983.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,282.69	1/4	4,063.40	1/4	3,844.09	1/4	3,624.19	1/4	3,333.61	1/4	2,976.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,278.12	1/2	4,058.83	1/2	3,839.51	1/2	3,619.61	1/2	3,326.19	1/2	2,968.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,273.55	3/4	4,054.26	3/4	3,834.93	3/4	3,615.03	3/4	3,318.77	3/4	2,961.45
1		1		1		1	4,478.82	1	4,268.98	1	4,049.69	1	3,830.35	1	3,610.45	1	3,311.34	1	2,953.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,475.63	1/4	4,264.41	1/4	4,045.12	1/4	3,825.77	1/4	3,605.87	1/4	3,303.92	1/4	2,946.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,472.44	1/2	4,259.85	1/2	4,040.55	1/2	3,821.18	1/2	3,601.29	1/2	3,296.50	1/2	2,939.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,469.26	3/4	4,255.28	3/4	4,035.98	3/4	3,816.60	3/4	3,596.71	3/4	3,289.07	3/4	2,931.64
2		2		2		2	4,466.07	2	4,250.71	2	4,031.42	2	3,812.02	2	3,592.12	2	3,281.65	2	2,924.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,462.12	1/4	4,246.14	1/4	4,026.85	1/4	3,807.44	1/4	3,587.54	1/4	3,274.23	1/4	2,916.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,458.16	1/2	4,241.57	1/2	4,022.28	1/2	3,802.86	1/2	3,582.96	1/2	3,266.80	1/2	2,909.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,454.21	3/4	4,237.00	3/4	4,017.71	3/4	3,798.28	3/4	3,578.38	3/4	3,259.38	3/4	2,901.83
3		3		3		3	4,450.26	3	4,232.43	3	4,013.14	3	3,793.70	3	3,573.80	3	3,251.96	3	2,894.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,445.78	1/4	4,227.87	1/4	4,008.57	1/4	3,789.12	1/4	3,568.98	1/4	3,244.53	1/4	2,886.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,441.30	1/2	4,223.30	1/2	4,004.00	1/2	3,784.54	1/2	3,564.16	1/2	3,237.11	1/2	2,879.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,436.82	3/4	4,218.73	3/4	3,999.44	3/4	3,779.95	3/4	3,559.34	3/4	3,229.69	3/4	2,872.02
4		4		4		4	4,432.34	4	4,214.16	4	3,994.87	4	3,775.37	4	3,554.51	4	3,222.26	4	2,864.57
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,427.82	1/4	4,209.59	1/4	3,990.30	1/4	3,770.79	1/4	3,549.25	1/4	3,214.81	1/4	2,857.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,423.31	1/2	4,205.02	1/2	3,985.73	1/2	3,766.21	1/2	3,543.99	1/2	3,207.36	1/2	2,849.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,418.79	3/4	4,200.45	3/4	3,981.16	3/4	3,761.63	3/4	3,538.72	3/4	3,199.91	3/4	2,842.21
5		5		5		5	4,414.27	5	4,195.89	5	3,976.59	5	3,757.05	5	3,533.46	5	3,192.45	5	2,834.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,409.75	1/4	4,191.32	1/4	3,972.02	1/4	3,752.47	1/4	3,527.72	1/4	3,185.00	1/4	2,827.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,405.23	1/2	4,186.75	1/2	3,967.46	1/2	3,747.89	1/2	3,521.97	1/2	3,177.55	1/2	2,819.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,400.70	3/4	4,182.18	3/4	3,962.89	3/4	3,743.30	3/4	3,516.23	3/4	3,170.10	3/4	2,812.41
6		6		6		6	4,396.18	6	4,177.61	6	3,958.32	6	3,738.72	6	3,510.49	6	3,162.65	6	2,804.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,391.66	1/4	4,173.04	1/4	3,953.75	1/4	3,734.14	1/4	3,504.26	1/4	3,155.19	1/4	2,797.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,387.13	1/2	4,168.47	1/2	3,949.18	1/2	3,729.56	1/2	3,498.04	1/2	3,147.74	1/2	2,790.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,382.61	3/4	4,163.91	3/4	3,944.61	3/4	3,724.98	3/4	3,491.82	3/4	3,140.29	3/4	2,782.60
7		7		7		7	4,378.08	7	4,159.34	7	3,940.04	7	3,720.40	7	3,485.59	7	3,132.84	7	2,775.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,373.56	1/4	4,154.77	1/4	3,935.48	1/4	3,715.82	1/4	3,478.89	1/4	3,125.39	1/4	2,767.70
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,369.04	1/2	4,150.20	1/2	3,930.91	1/2	3,711.24	1/2	3,472.18	1/2	3,117.94	1/2	2,760.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,364.51	3/4	4,145.63	3/4	3,926.34	3/4	3,706.65	3/4	3,465.48	3/4	3,110.48	3/4	2,752.79
8		8		8		8	4,359.99	8	4,141.06	8	3,921.77	8	3,702.07	8	3,458.78	8	3,103.03	8	2,745.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,355.47	1/4	4,136.49	1/4	3,917.20	1/4	3,697.49	1/4	3,451.59	1/4	3,095.58	1/4	2,737.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,350.95	1/2	4,131.93	1/2	3,912.63	1/2	3,692.91	1/2	3,444.41	1/2	3,088.13	1/2	2,730.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,346.42	3/4	4,127.36	3/4	3,908.06	3/4	3,688.33	3/4	3,437.23	3/4	3,080.68	3/4	2,722.98
9		9		9		9	4,341.90	9	4,122.79	9	3,903.50	9	3,683.75	9	3,430.05	9	3,073.22	9	2,715.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,337.38	1/4	4,118.22	1/4	3,898.93	1/4	3,679.17	1/4	3,422.64	1/4	3,065.77	1/4	2,708.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,332.85	1/2	4,113.65	1/2	3,894.36	1/2	3,674.59	1/2	3,415.23	1/2	3,058.32	1/2	2,700.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.33	3/4	4,109.08	3/4	3,889.79	3/4	3,670.01	3/4	3,407.82	3/4	3,050.87	3/4	2,693.18
10		10		10		10	4,323.81	10	4,104.51	10	3,885.22	10	3,665.42	10	3,400.41	10	3,043.42	10	2,685.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,319.24	1/4	4,099.95	1/4	3,880.65	1/4	3,660.84	1/4	3,392.99	1/4	3,035.96	1/4	2,678.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,314.67	1/2	4,095.38	1/2	3,876.08	1/2	3,656.26	1/2	3,385.57	1/2	3,028.51	1/2	2,670.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,310.10	3/4	4,090.81	3/4	3,871.52	3/4	3,651.68	3/4	3,378.15	3/4	3,021.06	3/4	2,663.37
11		11		11		11	4,305.53	11	4,086.24	11	3,866.95	11	3,647.10	11	3,370.73	11	3,013.61	11	2,655.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,300.96	1/4	4,081.67	1/4	3,862.38	1/4	3,642.52	1/4	3,363.31	1/4	3,006.16	1/4	2,648.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,296.39	1/2	4,077.10	1/2	3,857.81	1/2	3,637.94	1/2	3,355.88	1/2	2,998.70	1/2	2,641.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,291.83	3/4	4,072.53	3/4	3,853.24	3/4	3,633.36	3/4	3,348.46	3/4	2,991.25	3/4	2,633.56

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 42'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29130"

3 STBD ULLAGE TABLE

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

FORMERLY "E2MS 300"

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	2,626.11	0	2,268.14	0	1,909.96	0	1,551.77	0	1,193.59	0	835.91	0	477.74	0	119.57	0		0	
1/4	2,618.65	1/4	2,260.68	1/4	1,902.50	1/4	1,544.31	1/4	1,186.12	1/4	828.45	1/4	470.27	1/4	112.12	1/4		1/4	
1/2	2,611.20	1/2	2,253.22	1/2	1,895.03	1/2	1,536.85	1/2	1,178.66	1/2	820.99	1/2	462.81	1/2	104.66	1/2		1/2	
3/4	2,603.75	3/4	2,245.76	3/4	1,887.57	3/4	1,529.39	3/4	1,171.20	3/4	813.53	3/4	455.35	3/4	97.21	3/4		3/4	
1	2,596.29	1	2,238.29	1	1,880.11	1	1,521.92	1	1,163.74	1	806.06	1	447.89	1	89.76	1		1	
1/4	2,588.84	1/4	2,230.83	1/4	1,872.65	1/4	1,514.46	1/4	1,156.28	1/4	798.60	1/4	440.43	1/4	82.34	1/4		1/4	
1/2	2,581.39	1/2	2,223.37	1/2	1,865.18	1/2	1,507.00	1/2	1,148.82	1/2	791.14	1/2	432.96	1/2	74.91	1/2		1/2	
3/4	2,573.94	3/4	2,215.91	3/4	1,857.72	3/4	1,499.54	3/4	1,141.37	3/4	783.68	3/4	425.50	3/4	67.48	3/4		3/4	
2	2,566.48	2	2,208.45	2	1,850.26	2	1,492.07	2	1,133.91	2	776.22	2	418.04	2	60.06	2		2	
1/4	2,559.03	1/4	2,200.98	1/4	1,842.80	1/4	1,484.61	1/4	1,126.45	1/4	768.75	1/4	410.58	1/4	53.53	1/4		1/4	
1/2	2,551.58	1/2	2,193.52	1/2	1,835.34	1/2	1,477.15	1/2	1,119.00	1/2	761.29	1/2	403.12	1/2	47.00	1/2		1/2	
3/4	2,544.12	3/4	2,186.06	3/4	1,827.87	3/4	1,469.69	3/4	1,111.54	3/4	753.83	3/4	395.65	3/4	40.47	3/4		3/4	
3	2,536.67	3	2,178.60	3	1,820.41	3	1,462.23	3	1,104.08	3	746.37	3	388.19	3	33.95	3		3	
1/4	2,529.22	1/4	2,171.13	1/4	1,812.95	1/4	1,454.76	1/4	1,096.64	1/4	738.91	1/4	380.73	1/4	29.28	1/4		1/4	
1/2	2,521.77	1/2	2,163.67	1/2	1,805.49	1/2	1,447.30	1/2	1,089.19	1/2	731.44	1/2	373.27	1/2	24.62	1/2		1/2	
3/4	2,514.31	3/4	2,156.21	3/4	1,798.02	3/4	1,439.84	3/4	1,081.74	3/4	723.98	3/4	365.81	3/4	19.96	3/4		3/4	
4	2,506.86	4	2,148.75	4	1,790.56	4	1,432.38	4	1,074.29	4	716.52	4	358.34	4	15.29	4		4	
1/4	2,499.41	1/4	2,141.29	1/4	1,783.10	1/4	1,424.91	1/4	1,066.85	1/4	709.06	1/4	350.88	1/4		1/4		1/4	
1/2	2,491.95	1/2	2,133.82	1/2	1,775.64	1/2	1,417.45	1/2	1,059.40	1/2	701.60	1/2	343.42	1/2		1/2		1/2	
3/4	2,484.50	3/4	2,126.36	3/4	1,768.18	3/4	1,409.99	3/4	1,051.95	3/4	694.13	3/4	335.96	3/4		3/4		3/4	
5	2,477.05	5	2,118.90	5	1,760.71	5	1,402.53	5	1,044.50	5	686.67	5	328.50	5		5		5	
1/4	2,469.59	1/4	2,111.44	1/4	1,753.25	1/4	1,395.07	1/4	1,037.06	1/4	679.21	1/4	321.03	1/4		1/4		1/4	
1/2	2,462.14	1/2	2,103.97	1/2	1,745.79	1/2	1,387.60	1/2	1,029.61	1/2	671.75	1/2	313.57	1/2		1/2		1/2	
3/4	2,454.69	3/4	2,096.51	3/4	1,738.33	3/4	1,380.14	3/4	1,022.16	3/4	664.29	3/4	306.11	3/4		3/4		3/4	
6	2,447.24	6	2,089.05	6	1,730.86	6	1,372.68	6	1,014.71	6	656.82	6	298.65	6		6		6	
1/4	2,439.77	1/4	2,081.59	1/4	1,723.40	1/4	1,365.22	1/4	1,007.27	1/4	649.36	1/4	291.19	1/4		1/4		1/4	
1/2	2,432.31	1/2	2,074.13	1/2	1,715.94	1/2	1,357.75	1/2	999.82	1/2	641.90	1/2	283.72	1/2		1/2		1/2	
3/4	2,424.85	3/4	2,066.66	3/4	1,708.48	3/4	1,350.29	3/4	992.37	3/4	634.44	3/4	276.26	3/4		3/4		3/4	
7	2,417.39	7	2,059.20	7	1,701.02	7	1,342.83	7	984.92	7	626.98	7	268.80	7		7		7	
1/4	2,409.93	1/4	2,051.74	1/4	1,693.55	1/4	1,335.37	1/4	977.47	1/4	619.51	1/4	261.34	1/4		1/4		1/4	
1/2	2,402.46	1/2	2,044.28	1/2	1,686.09	1/2	1,327.91	1/2	970.03	1/2	612.05	1/2	253.88	1/2		1/2		1/2	
3/4	2,395.00	3/4	2,036.82	3/4	1,678.63	3/4	1,320.44	3/4	962.58	3/4	604.59	3/4	246.41	3/4		3/4		3/4	
8	2,387.54	8	2,029.35	8	1,671.17	8	1,312.98	8	955.13	8	597.13	8	238.95	8		8		8	
1/4	2,380.08	1/4	2,021.89	1/4	1,663.71	1/4	1,305.52	1/4	947.68	1/4	589.67	1/4	231.49	1/4		1/4		1/4	
1/2	2,372.61	1/2	2,014.43	1/2	1,656.24	1/2	1,298.06	1/2	940.24	1/2	582.20	1/2	224.03	1/2		1/2		1/2	
3/4	2,365.15	3/4	2,006.97	3/4	1,648.78	3/4	1,290.60	3/4	932.79	3/4	574.74	3/4	216.57	3/4		3/4		3/4	
9	2,357.69	9	1,999.50	9	1,641.32	9	1,283.13	9	925.34	9	567.28	9	209.10	9		9		9	
1/4	2,350.23	1/4	1,992.04	1/4	1,633.86	1/4	1,275.67	1/4	917.89	1/4	559.82	1/4	201.64	1/4		1/4		1/4	
1/2	2,342.77	1/2	1,984.58	1/2	1,626.39	1/2	1,268.21	1/2	910.45	1/2	552.36	1/2	194.18	1/2		1/2		1/2	
3/4	2,335.30	3/4	1,977.12	3/4	1,618.93	3/4	1,260.75	3/4	903.00	3/4	544.89	3/4	186.72	3/4		3/4		3/4	
10	2,327.84	10	1,969.66	10	1,611.47	10	1,253.28	10	895.55	10	537.43	10	179.26	10		10		10	
1/4	2,320.38	1/4	1,962.19	1/4	1,604.01	1/4	1,245.82	1/4	888.10	1/4	529.97	1/4	171.79	1/4		1/4		1/4	
1/2	2,312.92	1/2	1,954.73	1/2	1,596.55	1/2	1,238.36	1/2	880.66	1/2	522.51	1/2	164.33	1/2		1/2		1/2	
3/4	2,305.45	3/4	1,947.27	3/4	1,589.08	3/4	1,230.90	3/4	873.21	3/4	515.05	3/4	156.87	3/4		3/4		3/4	
11	2,297.99	11	1,939.81	11	1,581.62	11	1,223.44	11	865.76	11	507.58	11	149.41	11		11		11	
1/4	2,290.53	1/4	1,932.34	1/4	1,574.16	1/4	1,215.97	1/4	858.30	1/4	500.12	1/4	141.95	1/4		1/4		1/4	
1/2	2,283.07	1/2	1,924.88	1/2	1,566.70	1/2	1,208.51	1/2	850.84	1/2	492.66	1/2	134.49	1/2		1/2		1/2	
3/4	2,275.61	3/4	1,917.42	3/4	1,559.23	3/4	1,201.05	3/4	843.37	3/4	485.20	3/4	127.03	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 11/20/2022 CL
NAME CHANGE: 11/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

PRECISION MEASUREMENT
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