



BARGE "CTC 29131"

INNAGE (HERMETIC)

FORMERLY "E2MS 301"

	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	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
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	02-0/8	- 02-0/8
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	02-0/8	- 02-0/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 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"

October 20, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29131"

1 PORT INNAGE TABLE

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

FORMERLY "E2MS 301"

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	15.32	0	304.37	0	654.69	0	1,011.79	0	1,370.06	0	1,729.02	0	2,087.99	0	2,446.95	0	2,805.85	0	3,164.71
1/4	18.37	1/4	311.28	1/4	662.16	1/4	1,019.21	1/4	1,377.54	1/4	1,736.50	1/4	2,095.47	1/4	2,454.43	1/4	2,813.33	1/4	3,172.19
1/2	21.42	1/2	318.19	1/2	669.64	1/2	1,026.63	1/2	1,385.02	1/2	1,743.98	1/2	2,102.94	1/2	2,461.91	1/2	2,820.80	1/2	3,179.66
3/4	24.47	3/4	325.10	3/4	677.12	3/4	1,034.04	3/4	1,392.50	3/4	1,751.46	3/4	2,110.42	3/4	2,469.38	3/4	2,828.28	3/4	3,187.14
1	27.52	1	332.00	1	684.60	1	1,041.46	1	1,399.97	1	1,758.94	1	2,117.90	1	2,476.86	1	2,835.76	1	3,194.61
1/4	32.53	1/4	339.00	1/4	692.08	1/4	1,048.89	1/4	1,407.45	1/4	1,766.42	1/4	2,125.38	1/4	2,484.34	1/4	2,843.23	1/4	3,202.09
1/2	37.54	1/2	345.99	1/2	699.55	1/2	1,056.32	1/2	1,414.93	1/2	1,773.89	1/2	2,132.86	1/2	2,491.82	1/2	2,850.71	1/2	3,209.57
3/4	42.54	3/4	352.99	3/4	707.03	3/4	1,063.75	3/4	1,422.41	3/4	1,781.37	3/4	2,140.34	3/4	2,499.30	3/4	2,858.18	3/4	3,217.04
2	47.55	2	359.99	2	714.51	2	1,071.18	2	1,429.89	2	1,788.85	2	2,147.81	2	2,506.78	2	2,865.66	2	3,224.52
1/4	53.55	1/4	367.07	1/4	721.99	1/4	1,078.62	1/4	1,437.37	1/4	1,796.33	1/4	2,155.29	1/4	2,514.26	1/4	2,873.14	1/4	3,231.99
1/2	59.54	1/2	374.15	1/2	729.47	1/2	1,086.07	1/2	1,444.84	1/2	1,803.81	1/2	2,162.77	1/2	2,521.73	1/2	2,880.61	1/2	3,239.47
3/4	65.53	3/4	381.24	3/4	736.95	3/4	1,093.52	3/4	1,452.32	3/4	1,811.29	3/4	2,170.25	3/4	2,529.21	3/4	2,888.09	3/4	3,246.95
3	71.53	3	388.32	3	744.42	3	1,100.96	3	1,459.80	3	1,818.76	3	2,177.73	3	2,536.69	3	2,895.57	3	3,254.42
1/4	77.64	1/4	395.49	1/4	751.90	1/4	1,108.41	1/4	1,467.28	1/4	1,826.24	1/4	2,185.21	1/4	2,544.17	1/4	2,903.04	1/4	3,261.90
1/2	83.74	1/2	402.66	1/2	759.38	1/2	1,115.86	1/2	1,474.76	1/2	1,833.72	1/2	2,192.68	1/2	2,551.65	1/2	2,910.52	1/2	3,269.38
3/4	89.85	3/4	409.83	3/4	766.86	3/4	1,123.30	3/4	1,482.24	3/4	1,841.20	3/4	2,200.16	3/4	2,559.13	3/4	2,917.99	3/4	3,276.85
4	95.96	4	417.00	4	774.34	4	1,130.75	4	1,489.71	4	1,848.68	4	2,207.64	4	2,566.60	4	2,925.47	4	3,284.33
1/4	102.16	1/4	424.26	1/4	781.76	1/4	1,138.23	1/4	1,497.19	1/4	1,856.16	1/4	2,215.12	1/4	2,574.08	1/4	2,932.95	1/4	3,291.80
1/2	108.37	1/2	431.52	1/2	789.19	1/2	1,145.71	1/2	1,504.67	1/2	1,863.63	1/2	2,222.60	1/2	2,581.56	1/2	2,940.42	1/2	3,299.28
3/4	114.57	3/4	438.78	3/4	796.62	3/4	1,153.19	3/4	1,512.15	3/4	1,871.11	3/4	2,230.08	3/4	2,589.04	3/4	2,947.90	3/4	3,306.76
5	120.78	5	446.04	5	804.05	5	1,160.67	5	1,519.63	5	1,878.59	5	2,237.55	5	2,596.52	5	2,955.38	5	3,314.23
1/4	127.07	1/4	453.39	1/4	811.47	1/4	1,168.14	1/4	1,527.11	1/4	1,886.07	1/4	2,245.03	1/4	2,603.99	1/4	2,962.85	1/4	3,321.71
1/2	133.36	1/2	460.73	1/2	818.89	1/2	1,175.62	1/2	1,534.59	1/2	1,893.55	1/2	2,252.51	1/2	2,611.47	1/2	2,970.33	1/2	3,329.19
3/4	139.66	3/4	468.08	3/4	826.30	3/4	1,183.10	3/4	1,542.06	3/4	1,901.03	3/4	2,259.99	3/4	2,618.95	3/4	2,977.80	3/4	3,336.66
6	145.95	6	475.43	6	833.72	6	1,190.58	6	1,549.54	6	1,908.51	6	2,267.47	6	2,626.42	6	2,985.28	6	3,344.14
1/4	152.33	1/4	482.86	1/4	841.14	1/4	1,198.06	1/4	1,557.02	1/4	1,915.98	1/4	2,274.95	1/4	2,633.90	1/4	2,992.76	1/4	3,351.61
1/2	158.71	1/2	490.30	1/2	848.56	1/2	1,205.54	1/2	1,564.50	1/2	1,923.46	1/2	2,282.43	1/2	2,641.37	1/2	3,000.23	1/2	3,359.09
3/4	165.10	3/4	497.73	3/4	855.98	3/4	1,213.01	3/4	1,571.98	3/4	1,930.94	3/4	2,289.90	3/4	2,648.85	3/4	3,007.71	3/4	3,366.57
7	171.48	7	505.16	7	863.40	7	1,220.49	7	1,579.46	7	1,938.42	7	2,297.38	7	2,656.33	7	3,015.19	7	3,374.04
1/4	177.95	1/4	512.64	1/4	870.82	1/4	1,227.97	1/4	1,586.93	1/4	1,945.90	1/4	2,304.86	1/4	2,663.80	1/4	3,022.66	1/4	3,381.52
1/2	184.42	1/2	520.12	1/2	878.24	1/2	1,235.45	1/2	1,594.41	1/2	1,953.38	1/2	2,312.34	1/2	2,671.28	1/2	3,030.14	1/2	3,389.00
3/4	190.89	3/4	527.60	3/4	885.66	3/4	1,242.93	3/4	1,601.89	3/4	1,960.85	3/4	2,319.82	3/4	2,678.76	3/4	3,037.61	3/4	3,396.47
8	197.35	8	535.08	8	893.08	8	1,250.41	8	1,609.37	8	1,968.33	8	2,327.30	8	2,686.23	8	3,045.09	8	3,403.95
1/4	203.91	1/4	542.55	1/4	900.50	1/4	1,257.88	1/4	1,616.85	1/4	1,975.81	1/4	2,334.77	1/4	2,693.71	1/4	3,052.57	1/4	3,411.42
1/2	210.47	1/2	550.02	1/2	907.92	1/2	1,265.36	1/2	1,624.33	1/2	1,983.29	1/2	2,342.25	1/2	2,701.18	1/2	3,060.04	1/2	3,418.90
3/4	217.03	3/4	557.50	3/4	915.34	3/4	1,272.84	3/4	1,631.80	3/4	1,990.77	3/4	2,349.73	3/4	2,708.66	3/4	3,067.52	3/4	3,426.38
9	223.58	9	564.97	9	922.76	9	1,280.32	9	1,639.28	9	1,998.25	9	2,357.21	9	2,716.14	9	3,074.99	9	3,433.85
1/4	230.23	1/4	572.44	1/4	930.17	1/4	1,287.80	1/4	1,646.76	1/4	2,005.72	1/4	2,364.69	1/4	2,723.61	1/4	3,082.47	1/4	3,441.33
1/2	236.87	1/2	579.91	1/2	937.59	1/2	1,295.28	1/2	1,654.24	1/2	2,013.20	1/2	2,372.17	1/2	2,731.09	1/2	3,089.95	1/2	3,448.80
3/4	243.52	3/4	587.39	3/4	945.01	3/4	1,302.75	3/4	1,661.72	3/4	2,020.68	3/4	2,379.64	3/4	2,738.57	3/4	3,097.42	3/4	3,456.28
10	250.16	10	594.86	10	952.43	10	1,310.23	10	1,669.20	10	2,028.16	10	2,387.12	10	2,746.04	10	3,104.90	10	3,463.76
1/4	256.89	1/4	602.34	1/4	959.85	1/4	1,317.71	1/4	1,676.67	1/4	2,035.64	1/4	2,394.60	1/4	2,753.52	1/4	3,112.38	1/4	3,471.23
1/2	263.63	1/2	609.82	1/2	967.27	1/2	1,325.19	1/2	1,684.15	1/2	2,043.12	1/2	2,402.08	1/2	2,760.99	1/2	3,119.85	1/2	3,478.71
3/4	270.36	3/4	617.29	3/4	974.69	3/4	1,332.67	3/4	1,691.63	3/4	2,050.59	3/4	2,409.56	3/4	2,768.47	3/4	3,127.33	3/4	3,486.19
11	277.09	11	624.77	11	982.11	11	1,340.15	11	1,699.11	11	2,058.07	11	2,417.04	11	2,775.95	11	3,134.80	11	3,493.66
1/4	283.91	1/4	632.25	1/4	989.53	1/4	1,347.63	1/4	1,706.59	1/4	2,065.55	1/4	2,424.51	1/4	2,783.42	1/4	3,142.28	1/4	3,501.14
1/2	290.73	1/2	639.73	1/2	996.95	1/2	1,355.10	1/2	1,714.07	1/2	2,073.03	1/2	2,431.99	1/2	2,790.90	1/2	3,149.76	1/2	3,508.61
3/4	297.55	3/4	647.21	3/4	1,004.37	3/4	1,362.58	3/4	1,721.55	3/4	2,080.51	3/4	2,439.47	3/4	2,798.38	3/4	3,157.23	3/4	3,516.09

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 29131"

1 PORT INNAGE TABLE

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

FORMERLY "E2MS 301"

GAUGE HEIGHT 15' 09-14"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	3,523.57	0	3,882.42	0	4,240.59	0	4,598.40	0	4,954.40	0		0		0		0		0	
1/4	3,531.04	1/4	3,889.90	1/4	4,248.04	1/4	4,605.86	1/4	4,961.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,538.52	1/2	3,897.38	1/2	4,255.50	1/2	4,613.31	1/2	4,969.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,546.00	3/4	3,904.85	3/4	4,262.95	3/4	4,620.77	3/4	4,976.34	3/4		3/4		3/4		3/4		3/4	
1	3,553.47	1	3,912.33	1	4,270.41	1	4,628.22	1	4,983.65	1		1		1		1		1	
1/4	3,560.95	1/4	3,919.81	1/4	4,277.86	1/4	4,635.68	1/4	4,990.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,568.42	1/2	3,927.28	1/2	4,285.31	1/2	4,643.13	1/2	4,996.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,575.90	3/4	3,934.76	3/4	4,292.77	3/4	4,650.58	3/4	5,002.99	3/4		3/4		3/4		3/4		3/4	
2	3,583.38	2	3,942.23	2	4,300.22	2	4,658.04	2	5,009.44	2		2		2		2		2	
1/4	3,590.85	1/4	3,949.71	1/4	4,307.68	1/4	4,665.49	1/4	5,014.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,598.33	1/2	3,957.19	1/2	4,315.13	1/2	4,672.95	1/2	5,019.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,605.80	3/4	3,964.66	3/4	4,322.59	3/4	4,680.40	3/4	5,025.05	3/4		3/4		3/4		3/4		3/4	
3	3,613.28	3	3,972.14	3	4,330.04	3	4,687.86	3	5,030.25	3		3		3		3		3	
1/4	3,620.76	1/4	3,979.61	1/4	4,337.50	1/4	4,695.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,628.23	1/2	3,987.09	1/2	4,344.95	1/2	4,702.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,635.71	3/4	3,994.57	3/4	4,352.40	3/4	4,710.22	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,643.19	4	4,002.04	4	4,359.86	4	4,717.68	4	4	4		4		4		4		4	
1/4	3,650.66	1/4	4,009.50	1/4	4,367.31	1/4	4,725.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,658.14	1/2	4,016.95	1/2	4,374.77	1/2	4,732.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,665.61	3/4	4,024.41	3/4	4,382.22	3/4	4,740.04	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,673.09	5	4,031.86	5	4,389.68	5	4,747.49	5	5	5		5		5		5		5	
1/4	3,680.57	1/4	4,039.32	1/4	4,397.13	1/4	4,754.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.04	1/2	4,046.77	1/2	4,404.59	1/2	4,762.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.52	3/4	4,054.22	3/4	4,412.04	3/4	4,769.86	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,703.00	6	4,061.68	6	4,419.50	6	4,777.31	6	6	6		6		6		6		6	
1/4	3,710.47	1/4	4,069.13	1/4	4,426.95	1/4	4,784.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,717.95	1/2	4,076.59	1/2	4,434.40	1/2	4,792.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.42	3/4	4,084.04	3/4	4,441.86	3/4	4,799.45	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,732.90	7	4,091.50	7	4,449.31	7	4,806.84	7	7	7		7		7		7		7	
1/4	3,740.38	1/4	4,098.95	1/4	4,456.77	1/4	4,814.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.85	1/2	4,106.41	1/2	4,464.22	1/2	4,821.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,755.33	3/4	4,113.86	3/4	4,471.68	3/4	4,828.98	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,762.81	8	4,121.32	8	4,479.13	8	4,836.36	8	8	8		8		8		8		8	
1/4	3,770.28	1/4	4,128.77	1/4	4,486.59	1/4	4,843.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,777.76	1/2	4,136.22	1/2	4,494.04	1/2	4,851.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,785.23	3/4	4,143.68	3/4	4,501.49	3/4	4,858.50	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,792.71	9	4,151.13	9	4,508.95	9	4,865.88	9	9	9		9		9		9		9	
1/4	3,800.19	1/4	4,158.59	1/4	4,516.40	1/4	4,873.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,807.66	1/2	4,166.04	1/2	4,523.86	1/2	4,880.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,815.14	3/4	4,173.50	3/4	4,531.31	3/4	4,888.03	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,822.61	10	4,180.95	10	4,538.77	10	4,895.41	10	10	10		10		10		10		10	
1/4	3,830.09	1/4	4,188.41	1/4	4,546.22	1/4	4,902.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.57	1/2	4,195.86	1/2	4,553.68	1/2	4,910.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,845.04	3/4	4,203.31	3/4	4,561.13	3/4	4,917.55	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,852.52	11	4,210.77	11	4,568.59	11	4,924.93	11	11	11		11		11		11		11	
1/4	3,860.00	1/4	4,218.22	1/4	4,576.04	1/4	4,932.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,867.47	1/2	4,225.68	1/2	4,583.49	1/2	4,939.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,874.95	3/4	4,233.13	3/4	4,590.95	3/4	4,947.04	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 : 10/20/2022 CL
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29131"

1 STBD INNAGE TABLE

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

FORMERLY "E2MS 301"

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	15.32	0	304.35	0	654.70	0	1,013.26	0	1,372.11	0	1,731.07	0	2,090.03	0	2,448.99	0	2,807.89	0	3,166.75
1/4	18.37	1/4	311.25	1/4	662.18	1/4	1,020.72	1/4	1,379.59	1/4	1,738.55	1/4	2,097.51	1/4	2,456.47	1/4	2,815.37	1/4	3,174.22
1/2	21.42	1/2	318.16	1/2	669.66	1/2	1,028.19	1/2	1,387.07	1/2	1,746.03	1/2	2,104.99	1/2	2,463.95	1/2	2,822.84	1/2	3,181.70
3/4	24.47	3/4	325.07	3/4	677.13	3/4	1,035.65	3/4	1,395.55	3/4	1,753.51	3/4	2,112.47	3/4	2,471.42	3/4	2,830.32	3/4	3,189.18
1	27.52	1	331.98	1	684.61	1	1,043.12	1	1,402.03	1	1,760.99	1	2,119.94	1	2,478.90	1	2,837.79	1	3,196.65
1/4	32.53	1/4	338.97	1/4	692.09	1/4	1,050.59	1/4	1,409.51	1/4	1,768.46	1/4	2,127.42	1/4	2,486.38	1/4	2,845.27	1/4	3,204.13
1/2	37.53	1/2	345.97	1/2	699.57	1/2	1,058.06	1/2	1,416.98	1/2	1,775.94	1/2	2,134.90	1/2	2,493.86	1/2	2,852.75	1/2	3,211.60
3/4	42.54	3/4	352.96	3/4	707.05	3/4	1,065.53	3/4	1,424.46	3/4	1,783.42	3/4	2,142.38	3/4	2,501.34	3/4	2,860.22	3/4	3,219.08
2	47.55	2	359.96	2	714.53	2	1,073.01	2	1,431.94	2	1,790.90	2	2,149.86	2	2,508.82	2	2,867.70	2	3,226.56
1/4	53.54	1/4	367.04	1/4	722.00	1/4	1,080.48	1/4	1,439.42	1/4	1,798.38	1/4	2,157.34	1/4	2,516.29	1/4	2,875.18	1/4	3,234.03
1/2	59.53	1/2	374.12	1/2	729.48	1/2	1,087.95	1/2	1,446.90	1/2	1,805.86	1/2	2,164.81	1/2	2,523.77	1/2	2,882.65	1/2	3,241.51
3/4	65.53	3/4	381.21	3/4	736.96	3/4	1,095.42	3/4	1,454.38	3/4	1,813.33	3/4	2,172.29	3/4	2,531.25	3/4	2,890.13	3/4	3,248.99
3	71.52	3	388.29	3	744.44	3	1,102.90	3	1,461.85	3	1,820.81	3	2,179.77	3	2,538.73	3	2,897.60	3	3,256.46
1/4	77.63	1/4	395.46	1/4	751.92	1/4	1,110.37	1/4	1,469.33	1/4	1,828.29	1/4	2,187.25	1/4	2,546.21	1/4	2,905.08	1/4	3,263.94
1/2	83.73	1/2	402.63	1/2	759.40	1/2	1,117.85	1/2	1,476.81	1/2	1,835.77	1/2	2,194.73	1/2	2,553.69	1/2	2,912.56	1/2	3,271.41
3/4	89.84	3/4	409.80	3/4	766.87	3/4	1,125.33	3/4	1,484.29	3/4	1,843.25	3/4	2,202.21	3/4	2,561.16	3/4	2,920.03	3/4	3,278.89
4	95.95	4	416.97	4	774.35	4	1,132.81	4	1,491.77	4	1,850.73	4	2,209.68	4	2,568.64	4	2,927.51	4	3,286.37
1/4	102.15	1/4	424.23	1/4	781.83	1/4	1,140.29	1/4	1,499.25	1/4	1,858.20	1/4	2,217.16	1/4	2,576.12	1/4	2,934.98	1/4	3,293.84
1/2	108.35	1/2	431.49	1/2	789.31	1/2	1,147.77	1/2	1,506.72	1/2	1,865.68	1/2	2,224.64	1/2	2,583.60	1/2	2,942.46	1/2	3,301.32
3/4	114.56	3/4	438.75	3/4	796.79	3/4	1,155.24	3/4	1,514.20	3/4	1,873.16	3/4	2,232.12	3/4	2,591.08	3/4	2,949.94	3/4	3,308.79
5	120.76	5	446.01	5	804.27	5	1,162.72	5	1,521.68	5	1,880.64	5	2,239.60	5	2,598.56	5	2,957.41	5	3,316.27
1/4	127.06	1/4	453.36	1/4	811.73	1/4	1,170.20	1/4	1,529.16	1/4	1,888.12	1/4	2,247.08	1/4	2,606.03	1/4	2,964.89	1/4	3,323.75
1/2	133.35	1/2	460.70	1/2	819.19	1/2	1,177.68	1/2	1,536.64	1/2	1,895.60	1/2	2,254.55	1/2	2,613.51	1/2	2,972.37	1/2	3,331.22
3/4	139.64	3/4	468.05	3/4	826.66	3/4	1,185.16	3/4	1,544.12	3/4	1,903.07	3/4	2,262.03	3/4	2,620.98	3/4	2,979.84	3/4	3,338.70
6	145.94	6	475.40	6	834.12	6	1,192.64	6	1,551.59	6	1,910.55	6	2,269.51	6	2,628.46	6	2,987.32	6	3,346.18
1/4	152.32	1/4	482.83	1/4	841.59	1/4	1,200.11	1/4	1,559.07	1/4	1,918.03	1/4	2,276.99	1/4	2,635.94	1/4	2,994.79	1/4	3,353.65
1/2	158.70	1/2	490.26	1/2	849.05	1/2	1,207.59	1/2	1,566.55	1/2	1,925.51	1/2	2,284.47	1/2	2,643.41	1/2	3,002.27	1/2	3,361.13
3/4	165.08	3/4	497.70	3/4	856.51	3/4	1,215.07	3/4	1,574.03	3/4	1,932.99	3/4	2,291.95	3/4	2,650.89	3/4	3,009.75	3/4	3,368.60
7	171.46	7	505.13	7	863.98	7	1,222.55	7	1,581.51	7	1,940.47	7	2,299.42	7	2,658.37	7	3,017.22	7	3,376.08
1/4	177.93	1/4	512.61	1/4	871.44	1/4	1,230.03	1/4	1,588.99	1/4	1,947.94	1/4	2,306.90	1/4	2,665.84	1/4	3,024.70	1/4	3,383.56
1/2	184.40	1/2	520.09	1/2	878.91	1/2	1,237.51	1/2	1,596.46	1/2	1,955.42	1/2	2,314.38	1/2	2,673.32	1/2	3,032.18	1/2	3,391.03
3/4	190.87	3/4	527.57	3/4	886.37	3/4	1,244.98	3/4	1,603.94	3/4	1,962.90	3/4	2,321.86	3/4	2,680.79	3/4	3,039.65	3/4	3,398.51
8	197.33	8	535.05	8	893.83	8	1,252.46	8	1,611.42	8	1,970.38	8	2,329.34	8	2,688.27	8	3,047.13	8	3,405.99
1/4	203.89	1/4	542.53	1/4	901.30	1/4	1,259.94	1/4	1,618.90	1/4	1,977.86	1/4	2,336.82	1/4	2,695.75	1/4	3,054.60	1/4	3,413.46
1/2	210.45	1/2	550.00	1/2	908.76	1/2	1,267.42	1/2	1,626.38	1/2	1,985.34	1/2	2,344.29	1/2	2,703.22	1/2	3,062.08	1/2	3,420.94
3/4	217.00	3/4	557.48	3/4	916.23	3/4	1,274.90	3/4	1,633.86	3/4	1,992.81	3/4	2,351.77	3/4	2,710.70	3/4	3,069.56	3/4	3,428.41
9	223.56	9	564.96	9	923.69	9	1,282.38	9	1,641.33	9	2,000.29	9	2,359.25	9	2,718.18	9	3,077.03	9	3,435.89
1/4	230.20	1/4	572.44	1/4	931.16	1/4	1,289.85	1/4	1,648.81	1/4	2,007.77	1/4	2,366.73	1/4	2,725.65	1/4	3,084.51	1/4	3,443.37
1/2	236.85	1/2	579.92	1/2	938.62	1/2	1,297.33	1/2	1,656.29	1/2	2,015.25	1/2	2,374.21	1/2	2,733.13	1/2	3,091.99	1/2	3,450.84
3/4	243.49	3/4	587.39	3/4	946.08	3/4	1,304.81	3/4	1,663.77	3/4	2,022.73	3/4	2,381.69	3/4	2,740.60	3/4	3,099.46	3/4	3,458.32
10	250.14	10	594.87	10	953.55	10	1,312.29	10	1,671.25	10	2,030.21	10	2,389.16	10	2,748.08	10	3,106.94	10	3,465.80
1/4	256.87	1/4	602.35	1/4	961.01	1/4	1,319.77	1/4	1,678.73	1/4	2,037.68	1/4	2,396.64	1/4	2,755.56	1/4	3,114.41	1/4	3,473.27
1/2	263.60	1/2	609.83	1/2	968.48	1/2	1,327.24	1/2	1,686.20	1/2	2,045.16	1/2	2,404.12	1/2	2,763.03	1/2	3,121.89	1/2	3,480.75
3/4	270.33	3/4	617.31	3/4	975.94	3/4	1,334.72	3/4	1,693.68	3/4	2,052.64	3/4	2,411.60	3/4	2,770.51	3/4	3,129.37	3/4	3,488.22
11	277.07	11	624.79	11	983.40	11	1,342.20	11	1,701.16	11	2,060.12	11	2,419.08	11	2,777.98	11	3,136.84	11	3,495.70
1/4	283.89	1/4	632.26	1/4	990.87	1/4	1,349.68	1/4	1,708.64	1/4	2,067.60	1/4	2,426.56	1/4	2,785.46	1/4	3,144.32	1/4	3,503.18
1/2	290.71	1/2	639.74	1/2	998.33	1/2	1,357.16	1/2	1,716.12	1/2	2,075.07	1/2	2,434.03	1/2	2,792.94	1/2	3,151.79	1/2	3,510.65
3/4	297.53	3/4	647.22	3/4	1,005.80	3/4	1,364.64	3/4	1,723.59	3/4	2,082.55	3/4	2,441.51	3/4	2,800.41	3/4	3,159.27	3/4	3,518.13

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN 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 29131"

1 STBD INNAGE TABLE

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

FORMERLY "E2MS 301"

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	3,525.60	0	3,884.46	0	4,242.62	0	4,600.42	0	4,956.41	0		0		0		0		0	
1/4	3,533.08	1/4	3,891.94	1/4	4,250.07	1/4	4,607.87	1/4	4,963.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,540.56	1/2	3,899.41	1/2	4,257.52	1/2	4,615.33	1/2	4,971.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,548.03	3/4	3,906.89	3/4	4,264.98	3/4	4,622.78	3/4	4,978.34	3/4		3/4		3/4		3/4		3/4	
1	3,555.51	1	3,914.37	1	4,272.43	1	4,630.23	1	4,985.65	1		1		1		1		1	
1/4	3,562.99	1/4	3,921.84	1/4	4,279.89	1/4	4,637.69	1/4	4,992.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,570.46	1/2	3,929.32	1/2	4,287.34	1/2	4,645.14	1/2	4,998.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,577.94	3/4	3,936.80	3/4	4,294.80	3/4	4,652.60	3/4	5,005.00	3/4		3/4		3/4		3/4		3/4	
2	3,585.41	2	3,944.27	2	4,302.25	2	4,660.05	2	5,011.44	2		2		2		2		2	
1/4	3,592.89	1/4	3,951.75	1/4	4,309.70	1/4	4,667.51	1/4	5,016.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,600.37	1/2	3,959.22	1/2	4,317.16	1/2	4,674.96	1/2	5,021.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.84	3/4	3,966.70	3/4	4,324.61	3/4	4,682.41	3/4	5,027.05	3/4		3/4		3/4		3/4		3/4	
3	3,615.32	3	3,974.18	3	4,332.07	3	4,689.87	3	5,032.25	3		3		3		3		3	
1/4	3,622.80	1/4	3,981.65	1/4	4,339.52	1/4	4,697.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,630.27	1/2	3,989.13	1/2	4,346.97	1/2	4,704.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,637.75	3/4	3,996.61	3/4	4,354.43	3/4	4,712.23	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,645.22	4	4,004.08	4	4,361.88	4	4,719.68	4	4	4		4		4		4		4	
1/4	3,652.70	1/4	4,011.54	1/4	4,369.34	1/4	4,727.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,660.18	1/2	4,018.99	1/2	4,376.79	1/2	4,734.59	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,667.65	3/4	4,026.44	3/4	4,384.25	3/4	4,742.05	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,675.13	5	4,033.90	5	4,391.70	5	4,749.50	5	5	5		5		5		5		5	
1/4	3,682.60	1/4	4,041.35	1/4	4,399.15	1/4	4,756.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,690.08	1/2	4,048.81	1/2	4,406.61	1/2	4,764.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.56	3/4	4,056.26	3/4	4,414.06	3/4	4,771.86	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,705.03	6	4,063.72	6	4,421.52	6	4,779.32	6	6	6		6		6		6		6	
1/4	3,712.51	1/4	4,071.17	1/4	4,428.97	1/4	4,786.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,719.99	1/2	4,078.62	1/2	4,436.43	1/2	4,794.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,727.46	3/4	4,086.08	3/4	4,443.88	3/4	4,801.46	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,734.94	7	4,093.53	7	4,451.33	7	4,808.84	7	7	7		7		7		7		7	
1/4	3,742.41	1/4	4,100.99	1/4	4,458.79	1/4	4,816.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,749.89	1/2	4,108.44	1/2	4,466.24	1/2	4,823.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,757.37	3/4	4,115.89	3/4	4,473.70	3/4	4,830.99	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,764.84	8	4,123.35	8	4,481.15	8	4,838.37	8	8	8		8		8		8		8	
1/4	3,772.32	1/4	4,130.80	1/4	4,488.60	1/4	4,845.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,779.80	1/2	4,138.26	1/2	4,496.06	1/2	4,853.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,787.27	3/4	4,145.71	3/4	4,503.51	3/4	4,860.51	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,794.75	9	4,153.17	9	4,510.97	9	4,867.89	9	9	9		9		9		9		9	
1/4	3,802.22	1/4	4,160.62	1/4	4,518.42	1/4	4,875.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,809.70	1/2	4,168.07	1/2	4,525.88	1/2	4,882.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,817.18	3/4	4,175.53	3/4	4,533.33	3/4	4,890.04	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,824.65	10	4,182.98	10	4,540.78	10	4,897.42	10	10	10		10		10		10		10	
1/4	3,832.13	1/4	4,190.44	1/4	4,548.24	1/4	4,904.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,839.61	1/2	4,197.89	1/2	4,555.69	1/2	4,912.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,847.08	3/4	4,205.34	3/4	4,563.15	3/4	4,919.56	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,854.56	11	4,212.80	11	4,570.60	11	4,926.93	11	11	11		11		11		11		11	
1/4	3,862.03	1/4	4,220.25	1/4	4,578.05	1/4	4,934.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,869.51	1/2	4,227.71	1/2	4,585.51	1/2	4,941.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,876.99	3/4	4,235.16	3/4	4,592.96	3/4	4,949.04	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 : 10/20/2022 CL
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29131"

2 PORT INNAGE TABLE

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

FORMERLY "E2MS 3001"

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.34	0	359.47	0	718.78	0	1,068.35	0	1,422.91	0	1,782.22	0	2,141.53	0	2,500.83	0	2,860.14	0	3,219.45
1/4	20.01	1/4	366.96	1/4	726.27	1/4	1,075.53	1/4	1,430.39	1/4	1,789.70	1/4	2,149.01	1/4	2,508.32	1/4	2,867.63	1/4	3,226.94
1/2	24.69	1/2	374.44	1/2	733.75	1/2	1,082.71	1/2	1,437.88	1/2	1,797.19	1/2	2,156.50	1/2	2,515.81	1/2	2,875.11	1/2	3,234.42
3/4	29.37	3/4	381.93	3/4	741.24	3/4	1,089.89	3/4	1,445.37	3/4	1,804.67	3/4	2,163.98	3/4	2,523.29	3/4	2,882.60	3/4	3,241.91
1	34.05	1	389.42	1	748.72	1	1,097.06	1	1,452.85	1	1,812.16	1	2,171.47	1	2,530.78	1	2,890.09	1	3,249.39
1/4	40.60	1/4	396.90	1/4	756.21	1/4	1,104.25	1/4	1,460.34	1/4	1,819.65	1/4	2,178.95	1/4	2,538.26	1/4	2,897.57	1/4	3,256.88
1/2	47.15	1/2	404.39	1/2	763.70	1/2	1,111.44	1/2	1,467.82	1/2	1,827.13	1/2	2,186.44	1/2	2,545.75	1/2	2,905.06	1/2	3,264.37
3/4	53.70	3/4	411.87	3/4	771.18	3/4	1,118.62	3/4	1,475.31	3/4	1,834.62	3/4	2,193.93	3/4	2,553.23	3/4	2,912.54	3/4	3,271.85
2	60.24	2	419.36	2	778.67	2	1,125.81	2	1,482.79	2	1,842.10	2	2,201.41	2	2,560.72	2	2,920.03	2	3,279.34
1/4	67.69	1/4	426.84	1/4	786.15	1/4	1,133.00	1/4	1,490.28	1/4	1,849.59	1/4	2,208.90	1/4	2,568.20	1/4	2,927.51	1/4	3,286.82
1/2	75.14	1/2	434.33	1/2	793.64	1/2	1,140.18	1/2	1,497.76	1/2	1,857.07	1/2	2,216.38	1/2	2,575.69	1/2	2,935.00	1/2	3,294.31
3/4	82.59	3/4	441.81	3/4	801.12	3/4	1,147.37	3/4	1,505.25	3/4	1,864.56	3/4	2,223.87	3/4	2,583.18	3/4	2,942.48	3/4	3,301.79
3	90.04	3	449.30	3	808.61	3	1,154.56	3	1,512.74	3	1,872.04	3	2,231.35	3	2,590.66	3	2,949.97	3	3,309.28
1/4	97.51	1/4	456.79	1/4	816.09	1/4	1,161.76	1/4	1,520.22	1/4	1,879.53	1/4	2,238.84	1/4	2,598.15	1/4	2,957.46	1/4	3,316.76
1/2	104.99	1/2	464.27	1/2	823.58	1/2	1,168.96	1/2	1,527.71	1/2	1,887.02	1/2	2,246.32	1/2	2,605.63	1/2	2,964.94	1/2	3,324.25
3/4	112.46	3/4	471.76	3/4	831.07	3/4	1,176.17	3/4	1,535.19	3/4	1,894.50	3/4	2,253.81	3/4	2,613.12	3/4	2,972.43	3/4	3,331.74
4	119.94	4	479.24	4	838.55	4	1,183.37	4	1,542.68	4	1,901.99	4	2,261.30	4	2,620.60	4	2,979.91	4	3,339.22
1/4	127.42	1/4	486.73	1/4	845.75	1/4	1,190.85	1/4	1,550.16	1/4	1,909.47	1/4	2,268.78	1/4	2,628.09	1/4	2,987.40	1/4	3,346.71
1/2	134.91	1/2	494.21	1/2	852.95	1/2	1,198.34	1/2	1,557.65	1/2	1,916.96	1/2	2,276.27	1/2	2,635.58	1/2	2,994.88	1/2	3,354.19
3/4	142.39	3/4	501.70	3/4	860.15	3/4	1,205.83	3/4	1,565.13	3/4	1,924.44	3/4	2,283.75	3/4	2,643.06	3/4	3,002.37	3/4	3,361.68
5	149.88	5	509.18	5	867.36	5	1,213.31	5	1,572.62	5	1,931.93	5	2,291.24	5	2,650.55	5	3,009.86	5	3,369.16
1/4	157.36	1/4	516.67	1/4	874.53	1/4	1,220.80	1/4	1,580.11	1/4	1,939.41	1/4	2,298.72	1/4	2,658.03	1/4	3,017.34	1/4	3,376.65
1/2	164.85	1/2	524.16	1/2	881.71	1/2	1,228.28	1/2	1,587.59	1/2	1,946.90	1/2	2,306.21	1/2	2,665.52	1/2	3,024.83	1/2	3,384.14
3/4	172.33	3/4	531.64	3/4	888.89	3/4	1,235.77	3/4	1,595.08	3/4	1,954.39	3/4	2,313.69	3/4	2,673.00	3/4	3,032.31	3/4	3,391.62
6	179.82	6	539.13	6	896.07	6	1,243.25	6	1,602.56	6	1,961.87	6	2,321.18	6	2,680.49	6	3,039.80	6	3,399.11
1/4	187.30	1/4	546.61	1/4	903.25	1/4	1,250.74	1/4	1,610.05	1/4	1,969.36	1/4	2,328.67	1/4	2,687.97	1/4	3,047.28	1/4	3,406.59
1/2	194.79	1/2	554.10	1/2	910.43	1/2	1,258.23	1/2	1,617.53	1/2	1,976.84	1/2	2,336.15	1/2	2,695.46	1/2	3,054.77	1/2	3,414.08
3/4	202.28	3/4	561.58	3/4	917.60	3/4	1,265.71	3/4	1,625.02	3/4	1,984.33	3/4	2,343.64	3/4	2,702.95	3/4	3,062.25	3/4	3,421.56
7	209.76	7	569.07	7	924.78	7	1,273.20	7	1,632.51	7	1,991.81	7	2,351.12	7	2,710.43	7	3,069.74	7	3,429.05
1/4	217.25	1/4	576.56	1/4	931.96	1/4	1,280.68	1/4	1,639.99	1/4	1,999.30	1/4	2,358.61	1/4	2,717.92	1/4	3,077.23	1/4	3,436.53
1/2	224.73	1/2	584.04	1/2	939.14	1/2	1,288.17	1/2	1,647.48	1/2	2,006.79	1/2	2,366.09	1/2	2,725.40	1/2	3,084.71	1/2	3,444.02
3/4	232.22	3/4	591.53	3/4	946.32	3/4	1,295.65	3/4	1,654.96	3/4	2,014.27	3/4	2,373.58	3/4	2,732.89	3/4	3,092.20	3/4	3,451.51
8	239.70	8	599.01	8	953.50	8	1,303.14	8	1,662.45	8	2,021.76	8	2,381.07	8	2,740.37	8	3,099.68	8	3,458.99
1/4	247.19	1/4	606.50	1/4	960.67	1/4	1,310.62	1/4	1,669.93	1/4	2,029.24	1/4	2,388.55	1/4	2,747.86	1/4	3,107.17	1/4	3,466.48
1/2	254.67	1/2	613.98	1/2	967.85	1/2	1,318.11	1/2	1,677.42	1/2	2,036.73	1/2	2,396.04	1/2	2,755.34	1/2	3,114.65	1/2	3,473.96
3/4	262.16	3/4	621.47	3/4	975.03	3/4	1,325.60	3/4	1,684.90	3/4	2,044.21	3/4	2,403.52	3/4	2,762.83	3/4	3,122.14	3/4	3,481.45
9	269.65	9	628.95	9	982.21	9	1,333.08	9	1,692.39	9	2,051.70	9	2,411.01	9	2,770.32	9	3,129.62	9	3,488.93
1/4	277.13	1/4	636.44	1/4	989.39	1/4	1,340.57	1/4	1,699.88	1/4	2,059.18	1/4	2,418.49	1/4	2,777.80	1/4	3,137.11	1/4	3,496.42
1/2	284.62	1/2	643.93	1/2	996.57	1/2	1,348.05	1/2	1,707.36	1/2	2,066.67	1/2	2,425.98	1/2	2,785.29	1/2	3,144.60	1/2	3,503.90
3/4	292.10	3/4	651.41	3/4	1,003.75	3/4	1,355.54	3/4	1,714.85	3/4	2,074.16	3/4	2,433.46	3/4	2,792.77	3/4	3,152.08	3/4	3,511.39
10	299.59	10	658.90	10	1,010.92	10	1,363.02	10	1,722.33	10	2,081.64	10	2,440.95	10	2,800.26	10	3,159.57	10	3,518.88
1/4	307.07	1/4	666.38	1/4	1,018.10	1/4	1,370.51	1/4	1,729.82	1/4	2,089.13	1/4	2,448.44	1/4	2,807.74	1/4	3,167.05	1/4	3,526.36
1/2	314.56	1/2	673.87	1/2	1,025.28	1/2	1,377.99	1/2	1,737.30	1/2	2,096.61	1/2	2,455.92	1/2	2,815.23	1/2	3,174.54	1/2	3,533.85
3/4	322.05	3/4	681.35	3/4	1,032.46	3/4	1,385.48	3/4	1,744.79	3/4	2,104.10	3/4	2,463.41	3/4	2,822.72	3/4	3,182.02	3/4	3,541.33
11	329.53	11	688.84	11	1,039.64	11	1,392.97	11	1,752.27	11	2,111.58	11	2,470.89	11	2,830.20	11	3,189.51	11	3,548.82
1/4	337.02	1/4	696.32	1/4	1,046.82	1/4	1,400.45	1/4	1,759.76	1/4	2,119.07	1/4	2,478.38	1/4	2,837.69	1/4	3,197.00	1/4	3,556.30
1/2	344.50	1/2	703.81	1/2	1,053.99	1/2	1,407.94	1/2	1,767.25	1/2	2,126.55	1/2	2,485.86	1/2	2,845.17	1/2	3,204.48	1/2	3,563.79
3/4	351.99	3/4	711.30	3/4	1,061.17	3/4	1,415.42	3/4	1,774.73	3/4	2,134.04	3/4	2,493.35	3/4	2,852.66	3/4	3,211.97	3/4	3,571.28

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 THE TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 36'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29131"

2 PORT INNAGE TABLE

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

FORMERLY "E2MS 301"

GAUGE HEIGHT 15'-09 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,578.76	0	3,938.07	0	4,296.67	0	4,654.92	0	5,011.51	0		0		0		0		0	
1/4	3,586.25	1/4	3,945.56	1/4	4,304.13	1/4	4,662.38	1/4	5,018.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.73	1/2	3,953.04	1/2	4,311.60	1/2	4,669.85	1/2	5,026.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,601.22	3/4	3,960.53	3/4	4,319.06	3/4	4,677.31	3/4	5,033.49	3/4		3/4		3/4		3/4		3/4	
1	3,608.70	1	3,968.01	1	4,326.53	1	4,684.77	1	5,040.82	1		1		1		1		1	
1/4	3,616.19	1/4	3,975.50	1/4	4,333.99	1/4	4,692.24	1/4	5,047.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,623.67	1/2	3,982.98	1/2	4,341.45	1/2	4,699.70	1/2	5,053.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,631.16	3/4	3,990.47	3/4	4,348.92	3/4	4,707.16	3/4	5,060.20	3/4		3/4		3/4		3/4		3/4	
2	3,638.65	2	3,997.95	2	4,356.38	2	4,714.63	2	5,066.67	2		2		2		2		2	
1/4	3,646.13	1/4	4,005.44	1/4	4,363.84	1/4	4,722.09	1/4	5,071.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,653.62	1/2	4,012.93	1/2	4,371.31	1/2	4,729.55	1/2	5,077.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,661.10	3/4	4,020.41	3/4	4,378.77	3/4	4,737.02	3/4	5,082.31	3/4		3/4		3/4		3/4		3/4	
3	3,668.59	3	4,027.90	3	4,386.23	3	4,744.48	3	5,087.52	3		3		3		3		3	
1/4	3,676.07	1/4	4,035.38	1/4	4,393.70	1/4	4,751.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,683.56	1/2	4,042.87	1/2	4,401.16	1/2	4,759.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,691.04	3/4	4,050.35	3/4	4,408.62	3/4	4,766.87	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,698.53	4	4,057.84	4	4,416.09	4	4,774.34	4		4		4		4		4		4	
1/4	3,706.02	1/4	4,065.30	1/4	4,423.55	1/4	4,781.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,713.50	1/2	4,072.77	1/2	4,431.01	1/2	4,789.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,720.99	3/4	4,080.23	3/4	4,438.48	3/4	4,796.73	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,728.47	5	4,087.69	5	4,445.94	5	4,804.19	5		5		5		5		5		5	
1/4	3,735.96	1/4	4,095.16	1/4	4,453.40	1/4	4,811.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,743.44	1/2	4,102.62	1/2	4,460.87	1/2	4,819.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,750.93	3/4	4,110.08	3/4	4,468.33	3/4	4,826.58	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,758.42	6	4,117.55	6	4,475.80	6	4,834.04	6		6		6		6		6		6	
1/4	3,765.90	1/4	4,125.01	1/4	4,483.26	1/4	4,841.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,773.39	1/2	4,132.47	1/2	4,490.72	1/2	4,848.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.87	3/4	4,139.94	3/4	4,498.19	3/4	4,856.24	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,788.36	7	4,147.40	7	4,505.65	7	4,863.63	7		7		7		7		7		7	
1/4	3,795.84	1/4	4,154.86	1/4	4,513.11	1/4	4,871.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,803.33	1/2	4,162.33	1/2	4,520.58	1/2	4,878.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,810.81	3/4	4,169.79	3/4	4,528.04	3/4	4,885.83	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,818.30	8	4,177.26	8	4,535.50	8	4,893.22	8		8		8		8		8		8	
1/4	3,825.79	1/4	4,184.72	1/4	4,542.97	1/4	4,900.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,833.27	1/2	4,192.18	1/2	4,550.43	1/2	4,908.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,840.76	3/4	4,199.65	3/4	4,557.89	3/4	4,915.42	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,848.24	9	4,207.11	9	4,565.36	9	4,922.81	9		9		9		9		9		9	
1/4	3,855.73	1/4	4,214.57	1/4	4,572.82	1/4	4,930.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,863.21	1/2	4,222.04	1/2	4,580.28	1/2	4,937.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,870.70	3/4	4,229.50	3/4	4,587.75	3/4	4,945.01	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,878.18	10	4,236.96	10	4,595.21	10	4,952.40	10		10		10		10		10		10	
1/4	3,885.67	1/4	4,244.43	1/4	4,602.67	1/4	4,959.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,893.16	1/2	4,251.89	1/2	4,610.14	1/2	4,967.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,900.64	3/4	4,259.35	3/4	4,617.60	3/4	4,974.59	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,908.13	11	4,266.82	11	4,625.07	11	4,981.98	11		11		11		11		11		11	
1/4	3,915.61	1/4	4,274.28	1/4	4,632.53	1/4	4,989.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,923.10	1/2	4,281.74	1/2	4,639.99	1/2	4,996.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,930.58	3/4	4,289.21	3/4	4,647.46	3/4	5,004.13	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 : 10/20/2022 CL
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2002

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



BARGE "CTC 29131"

2 STBD INNAGE TABLE

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

FORMERLY "E2MS 301"

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	15.34	0	359.60	0	719.04	0	1,078.08	0	1,437.41	0	1,796.85	0	2,156.29	0	2,515.73	0	2,875.10	0	3,234.43
1/4	20.02	1/4	367.09	1/4	726.53	1/4	1,085.55	1/4	1,444.90	1/4	1,804.34	1/4	2,163.78	1/4	2,523.22	1/4	2,882.59	1/4	3,241.92
1/2	24.70	1/2	374.58	1/2	734.02	1/2	1,093.03	1/2	1,452.39	1/2	1,811.83	1/2	2,171.27	1/2	2,530.71	1/2	2,890.07	1/2	3,249.40
3/4	29.38	3/4	382.07	3/4	741.51	3/4	1,100.50	3/4	1,459.88	3/4	1,819.32	3/4	2,178.76	3/4	2,538.19	3/4	2,897.56	3/4	3,256.89
1	34.06	1	389.56	1	749.00	1	1,107.97	1	1,467.37	1	1,826.81	1	2,186.24	1	2,545.68	1	2,905.05	1	3,264.37
1/4	40.61	1/4	397.05	1/4	756.48	1/4	1,115.46	1/4	1,474.85	1/4	1,834.29	1/4	2,193.73	1/4	2,553.17	1/4	2,912.53	1/4	3,271.86
1/2	47.16	1/2	404.53	1/2	763.97	1/2	1,122.94	1/2	1,482.34	1/2	1,841.78	1/2	2,201.22	1/2	2,560.66	1/2	2,920.02	1/2	3,279.35
3/4	53.71	3/4	412.02	3/4	771.46	3/4	1,130.42	3/4	1,489.83	3/4	1,849.27	3/4	2,208.71	3/4	2,568.15	3/4	2,927.50	3/4	3,286.83
2	60.27	2	419.51	2	778.95	2	1,137.90	2	1,497.32	2	1,856.76	2	2,216.20	2	2,575.63	2	2,934.99	2	3,294.32
1/4	67.72	1/4	427.00	1/4	786.44	1/4	1,145.39	1/4	1,504.81	1/4	1,864.25	1/4	2,223.68	1/4	2,583.12	1/4	2,942.48	1/4	3,301.80
1/2	75.17	1/2	434.49	1/2	793.93	1/2	1,152.87	1/2	1,512.30	1/2	1,871.73	1/2	2,231.17	1/2	2,590.61	1/2	2,949.96	1/2	3,309.29
3/4	82.62	3/4	441.98	3/4	801.41	3/4	1,160.35	3/4	1,519.78	3/4	1,879.22	3/4	2,238.66	3/4	2,598.10	3/4	2,957.45	3/4	3,316.78
3	90.07	3	449.46	3	808.90	3	1,167.83	3	1,527.27	3	1,886.71	3	2,246.15	3	2,605.59	3	2,964.93	3	3,324.26
1/4	97.55	1/4	456.95	1/4	816.39	1/4	1,175.32	1/4	1,534.76	1/4	1,894.20	1/4	2,253.64	1/4	2,613.08	1/4	2,972.42	1/4	3,331.75
1/2	105.03	1/2	464.44	1/2	823.88	1/2	1,182.81	1/2	1,542.25	1/2	1,901.69	1/2	2,261.13	1/2	2,620.56	1/2	2,979.91	1/2	3,339.23
3/4	112.51	3/4	471.93	3/4	831.37	3/4	1,190.30	3/4	1,549.74	3/4	1,909.18	3/4	2,268.61	3/4	2,628.05	3/4	2,987.39	3/4	3,346.72
4	119.98	4	479.42	4	838.85	4	1,197.79	4	1,557.23	4	1,916.66	4	2,276.10	4	2,635.54	4	2,994.88	4	3,354.21
1/4	127.47	1/4	486.90	1/4	846.34	1/4	1,205.28	1/4	1,564.71	1/4	1,924.15	1/4	2,283.59	1/4	2,643.03	1/4	3,002.36	1/4	3,361.69
1/2	134.96	1/2	494.39	1/2	853.83	1/2	1,212.76	1/2	1,572.20	1/2	1,931.64	1/2	2,291.08	1/2	2,650.52	1/2	3,009.85	1/2	3,369.18
3/4	142.44	3/4	501.88	3/4	861.32	3/4	1,220.25	3/4	1,579.69	3/4	1,939.13	3/4	2,298.57	3/4	2,658.01	3/4	3,017.34	3/4	3,376.66
5	149.93	5	509.37	5	868.81	5	1,227.74	5	1,587.18	5	1,946.62	5	2,306.06	5	2,665.49	5	3,024.82	5	3,384.15
1/4	157.42	1/4	516.86	1/4	876.28	1/4	1,235.23	1/4	1,594.67	1/4	1,954.11	1/4	2,313.54	1/4	2,672.98	1/4	3,032.31	1/4	3,391.64
1/2	164.91	1/2	524.35	1/2	883.76	1/2	1,242.72	1/2	1,602.16	1/2	1,961.59	1/2	2,321.03	1/2	2,680.47	1/2	3,039.79	1/2	3,399.12
3/4	172.40	3/4	531.83	3/4	891.23	3/4	1,250.21	3/4	1,609.64	3/4	1,969.08	3/4	2,328.52	3/4	2,687.95	3/4	3,047.28	3/4	3,406.61
6	179.88	6	539.32	6	898.70	6	1,257.69	6	1,617.13	6	1,976.57	6	2,336.01	6	2,695.44	6	3,054.77	6	3,414.09
1/4	187.37	1/4	546.81	1/4	906.18	1/4	1,265.18	1/4	1,624.62	1/4	1,984.06	1/4	2,343.50	1/4	2,702.92	1/4	3,062.25	1/4	3,421.58
1/2	194.86	1/2	554.30	1/2	913.65	1/2	1,272.67	1/2	1,632.11	1/2	1,991.55	1/2	2,350.99	1/2	2,710.41	1/2	3,069.74	1/2	3,429.07
3/4	202.35	3/4	561.79	3/4	921.13	3/4	1,280.16	3/4	1,639.60	3/4	1,999.04	3/4	2,358.47	3/4	2,717.90	3/4	3,077.22	3/4	3,436.55
7	209.84	7	569.28	7	928.60	7	1,287.65	7	1,647.09	7	2,006.52	7	2,365.96	7	2,725.38	7	3,084.71	7	3,444.04
1/4	217.33	1/4	576.76	1/4	936.07	1/4	1,295.14	1/4	1,654.57	1/4	2,014.01	1/4	2,373.45	1/4	2,732.87	1/4	3,092.20	1/4	3,451.52
1/2	224.81	1/2	584.25	1/2	943.55	1/2	1,302.62	1/2	1,662.06	1/2	2,021.50	1/2	2,380.94	1/2	2,740.35	1/2	3,099.68	1/2	3,459.01
3/4	232.30	3/4	591.74	3/4	951.02	3/4	1,310.11	3/4	1,669.55	3/4	2,028.99	3/4	2,388.43	3/4	2,747.84	3/4	3,107.17	3/4	3,466.50
8	239.79	8	599.23	8	958.49	8	1,317.60	8	1,677.04	8	2,036.48	8	2,395.92	8	2,755.33	8	3,114.65	8	3,473.98
1/4	247.28	1/4	606.72	1/4	965.97	1/4	1,325.09	1/4	1,684.53	1/4	2,043.97	1/4	2,403.40	1/4	2,762.81	1/4	3,122.14	1/4	3,481.47
1/2	254.77	1/2	614.21	1/2	973.44	1/2	1,332.58	1/2	1,692.02	1/2	2,051.45	1/2	2,410.89	1/2	2,770.30	1/2	3,129.63	1/2	3,488.95
3/4	262.26	3/4	621.69	3/4	980.92	3/4	1,340.07	3/4	1,699.50	3/4	2,058.94	3/4	2,418.38	3/4	2,777.78	3/4	3,137.11	3/4	3,496.44
9	269.74	9	629.18	9	988.39	9	1,347.55	9	1,706.99	9	2,066.43	9	2,425.87	9	2,785.27	9	3,144.60	9	3,503.93
1/4	277.23	1/4	636.67	1/4	995.86	1/4	1,355.04	1/4	1,714.48	1/4	2,073.92	1/4	2,433.36	1/4	2,792.76	1/4	3,152.08	1/4	3,511.41
1/2	284.72	1/2	644.16	1/2	1,003.34	1/2	1,362.53	1/2	1,721.97	1/2	2,081.41	1/2	2,440.85	1/2	2,800.24	1/2	3,159.57	1/2	3,518.90
3/4	292.21	3/4	651.65	3/4	1,010.81	3/4	1,370.02	3/4	1,729.46	3/4	2,088.90	3/4	2,448.33	3/4	2,807.73	3/4	3,167.06	3/4	3,526.38
10	299.70	10	659.14	10	1,018.29	10	1,377.51	10	1,736.95	10	2,096.38	10	2,455.82	10	2,815.21	10	3,174.54	10	3,533.87
1/4	307.19	1/4	666.62	1/4	1,025.76	1/4	1,385.00	1/4	1,744.43	1/4	2,103.87	1/4	2,463.31	1/4	2,822.70	1/4	3,182.03	1/4	3,541.36
1/2	314.67	1/2	674.11	1/2	1,033.23	1/2	1,392.48	1/2	1,751.92	1/2	2,111.36	1/2	2,470.80	1/2	2,830.19	1/2	3,189.51	1/2	3,548.84
3/4	322.16	3/4	681.60	3/4	1,040.71	3/4	1,399.97	3/4	1,759.41	3/4	2,118.85	3/4	2,478.29	3/4	2,837.67	3/4	3,197.00	3/4	3,556.33
11	329.65	11	689.09	11	1,048.18	11	1,407.46	11	1,766.90	11	2,126.34	11	2,485.78	11	2,845.16	11	3,204.49	11	3,563.81
1/4	337.14	1/4	696.58	1/4	1,055.66	1/4	1,414.95	1/4	1,774.39	1/4	2,133.83	1/4	2,493.26	1/4	2,852.64	1/4	3,211.97	1/4	3,571.30
1/2	344.63	1/2	704.07	1/2	1,063.13	1/2	1,422.44	1/2	1,781.88	1/2	2,141.31	1/2	2,500.75	1/2	2,860.13	1/2	3,219.46	1/2	3,578.79
3/4	352.12	3/4	711.55	3/4	1,070.60	3/4	1,429.93	3/4	1,789.36	3/4	2,148.80	3/4	2,508.24	3/4	2,867.62	3/4	3,226.94	3/4	3,586.27

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 THE TOP LIP OF 2" HERMETIC VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 36'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29131"

2 STBD INNAGE TABLE

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

FORMERLY "E2MS 301"

GAUGE HEIGHT 15'-09 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,593.76	0	3,953.09	0	4,311.73	0	4,670.03	0	5,026.52	0		0		0		0		0	
1/4	3,601.24	1/4	3,960.57	1/4	4,319.19	1/4	4,677.50	1/4	5,033.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,608.73	1/2	3,968.06	1/2	4,326.66	1/2	4,684.96	1/2	5,041.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,616.22	3/4	3,975.54	3/4	4,334.12	3/4	4,692.42	3/4	5,048.48	3/4		3/4		3/4		3/4		3/4	
1	3,623.70	1	3,983.03	1	4,341.59	1	4,699.89	1	5,055.80	1		1		1		1		1	
1/4	3,631.19	1/4	3,990.52	1/4	4,349.05	1/4	4,707.35	1/4	5,062.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,638.67	1/2	3,998.00	1/2	4,356.52	1/2	4,714.82	1/2	5,068.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.16	3/4	4,005.49	3/4	4,363.98	3/4	4,722.28	3/4	5,075.17	3/4		3/4		3/4		3/4		3/4	
2	3,653.65	2	4,012.97	2	4,371.45	2	4,729.75	2	5,081.63	2		2		2		2		2	
1/4	3,661.13	1/4	4,020.46	1/4	4,378.91	1/4	4,737.21	1/4	5,086.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.62	1/2	4,027.95	1/2	4,386.38	1/2	4,744.68	1/2	5,092.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.10	3/4	4,035.43	3/4	4,393.84	3/4	4,752.14	3/4	5,097.26	3/4		3/4		3/4		3/4		3/4	
3	3,683.59	3	4,042.92	3	4,401.30	3	4,759.61	3	5,102.46	3		3		3		3		3	
1/4	3,691.08	1/4	4,050.40	1/4	4,408.77	1/4	4,767.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,698.56	1/2	4,057.89	1/2	4,416.23	1/2	4,774.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,706.05	3/4	4,065.38	3/4	4,423.70	3/4	4,782.00	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,713.53	4	4,072.86	4	4,431.16	4	4,789.46	4	4	4		4		4		4		4	
1/4	3,721.02	1/4	4,080.33	1/4	4,438.63	1/4	4,796.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,728.51	1/2	4,087.79	1/2	4,446.09	1/2	4,804.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,735.99	3/4	4,095.26	3/4	4,453.56	3/4	4,811.86	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,743.48	5	4,102.72	5	4,461.02	5	4,819.32	5	5	5		5		5		5		5	
1/4	3,750.96	1/4	4,110.19	1/4	4,468.49	1/4	4,826.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,758.45	1/2	4,117.65	1/2	4,475.95	1/2	4,834.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,765.94	3/4	4,125.11	3/4	4,483.42	3/4	4,841.72	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,773.42	6	4,132.58	6	4,490.88	6	4,849.18	6	6	6		6		6		6		6	
1/4	3,780.91	1/4	4,140.04	1/4	4,498.34	1/4	4,856.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,788.39	1/2	4,147.51	1/2	4,505.81	1/2	4,863.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,795.88	3/4	4,154.97	3/4	4,513.27	3/4	4,871.35	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,803.37	7	4,162.44	7	4,520.74	7	4,878.74	7	7	7		7		7		7		7	
1/4	3,810.85	1/4	4,169.90	1/4	4,528.20	1/4	4,886.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,818.34	1/2	4,177.37	1/2	4,535.67	1/2	4,893.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,825.82	3/4	4,184.83	3/4	4,543.13	3/4	4,900.91	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,833.31	8	4,192.30	8	4,550.60	8	4,908.31	8	8	8		8		8		8		8	
1/4	3,840.80	1/4	4,199.76	1/4	4,558.06	1/4	4,915.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,848.28	1/2	4,207.23	1/2	4,565.53	1/2	4,923.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,855.77	3/4	4,214.69	3/4	4,572.99	3/4	4,930.48	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,863.25	9	4,222.15	9	4,580.46	9	4,937.87	9	9	9		9		9		9		9	
1/4	3,870.74	1/4	4,229.62	1/4	4,587.92	1/4	4,945.26	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,878.23	1/2	4,237.08	1/2	4,595.38	1/2	4,952.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,885.71	3/4	4,244.55	3/4	4,602.85	3/4	4,960.05	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,893.20	10	4,252.01	10	4,610.31	10	4,967.44	10	10	10		10		10		10		10	
1/4	3,900.68	1/4	4,259.48	1/4	4,617.78	1/4	4,974.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,908.17	1/2	4,266.94	1/2	4,625.24	1/2	4,982.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,915.66	3/4	4,274.41	3/4	4,632.71	3/4	4,989.61	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,923.14	11	4,281.87	11	4,640.17	11	4,997.00	11	11	11		11		11		11		11	
1/4	3,930.63	1/4	4,289.34	1/4	4,647.64	1/4	5,004.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,938.11	1/2	4,296.80	1/2	4,655.10	1/2	5,011.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,945.60	3/4	4,304.27	3/4	4,662.57	3/4	5,019.14	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 : 10/20/2022 CL
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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



BARGE "CTC 29131"

3 PORT INNAGE TABLE

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

FORMERLY "E2MS 301"

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	15.30	0	358.44	0	716.25	0	1,064.40	0	1,418.20	0	1,775.70	0	2,132.48	0	2,489.97	0	2,847.18	0	3,204.36
1/4	19.96	1/4	365.90	1/4	723.71	1/4	1,071.55	1/4	1,425.65	1/4	1,783.14	1/4	2,139.93	1/4	2,497.42	1/4	2,854.62	1/4	3,211.77
1/2	24.63	1/2	373.35	1/2	731.16	1/2	1,078.71	1/2	1,433.10	1/2	1,790.57	1/2	2,147.37	1/2	2,504.86	1/2	2,862.06	1/2	3,219.19
3/4	29.30	3/4	380.81	3/4	738.62	3/4	1,085.87	3/4	1,440.55	3/4	1,798.00	3/4	2,154.82	3/4	2,512.30	3/4	2,869.50	3/4	3,226.60
1	33.96	1	388.26	1	746.07	1	1,093.03	1	1,448.00	1	1,805.44	1	2,162.26	1	2,519.74	1	2,876.94	1	3,234.01
1/4	40.49	1/4	395.72	1/4	753.53	1/4	1,100.25	1/4	1,455.44	1/4	1,812.87	1/4	2,169.71	1/4	2,527.19	1/4	2,884.39	1/4	3,241.42
1/2	47.03	1/2	403.17	1/2	760.98	1/2	1,107.48	1/2	1,462.89	1/2	1,820.30	1/2	2,177.16	1/2	2,534.63	1/2	2,891.83	1/2	3,248.84
3/4	53.56	3/4	410.62	3/4	768.44	3/4	1,114.71	3/4	1,470.34	3/4	1,827.73	3/4	2,184.60	3/4	2,542.07	3/4	2,899.27	3/4	3,256.25
2	60.09	2	418.08	2	775.89	2	1,121.94	2	1,477.79	2	1,835.17	2	2,192.05	2	2,549.51	2	2,906.71	2	3,263.66
1/4	67.52	1/4	425.53	1/4	783.34	1/4	1,129.17	1/4	1,485.24	1/4	1,842.60	1/4	2,199.49	1/4	2,556.96	1/4	2,914.15	1/4	3,271.08
1/2	74.95	1/2	432.99	1/2	790.80	1/2	1,136.39	1/2	1,492.69	1/2	1,850.03	1/2	2,206.94	1/2	2,564.40	1/2	2,921.59	1/2	3,278.49
3/4	82.38	3/4	440.44	3/4	798.25	3/4	1,143.62	3/4	1,500.14	3/4	1,857.47	3/4	2,214.39	3/4	2,571.84	3/4	2,929.03	3/4	3,285.90
3	89.81	3	447.90	3	805.71	3	1,150.85	3	1,507.59	3	1,864.90	3	2,221.83	3	2,579.28	3	2,936.47	3	3,293.31
1/4	97.26	1/4	455.35	1/4	813.10	1/4	1,158.09	1/4	1,515.04	1/4	1,872.33	1/4	2,229.28	1/4	2,586.73	1/4	2,943.92	1/4	3,300.73
1/2	104.72	1/2	462.80	1/2	820.49	1/2	1,165.33	1/2	1,522.49	1/2	1,879.77	1/2	2,236.72	1/2	2,594.17	1/2	2,951.36	1/2	3,308.14
3/4	112.17	3/4	470.26	3/4	827.88	3/4	1,172.57	3/4	1,529.94	3/4	1,887.20	3/4	2,244.17	3/4	2,601.61	3/4	2,958.80	3/4	3,315.55
4	119.63	4	477.71	4	835.27	4	1,179.82	4	1,537.39	4	1,894.63	4	2,251.62	4	2,609.05	4	2,966.24	4	3,322.96
1/4	127.09	1/4	485.17	1/4	842.45	1/4	1,187.27	1/4	1,544.84	1/4	1,902.06	1/4	2,259.06	1/4	2,616.50	1/4	2,973.68	1/4	3,330.38
1/2	134.56	1/2	492.62	1/2	849.63	1/2	1,194.72	1/2	1,552.29	1/2	1,909.50	1/2	2,266.51	1/2	2,623.94	1/2	2,981.12	1/2	3,337.79
3/4	142.02	3/4	500.08	3/4	856.81	3/4	1,202.16	3/4	1,559.74	3/4	1,916.93	3/4	2,273.95	3/4	2,631.38	3/4	2,988.56	3/4	3,345.20
5	149.49	5	507.53	5	863.99	5	1,209.61	5	1,567.19	5	1,924.36	5	2,281.40	5	2,638.82	5	2,996.01	5	3,352.61
1/4	156.95	1/4	514.99	1/4	871.15	1/4	1,217.06	1/4	1,574.63	1/4	1,931.80	1/4	2,288.85	1/4	2,646.26	1/4	3,003.45	1/4	3,360.02
1/2	164.42	1/2	522.44	1/2	878.30	1/2	1,224.51	1/2	1,582.08	1/2	1,939.23	1/2	2,296.30	1/2	2,653.71	1/2	3,010.89	1/2	3,367.43
3/4	171.89	3/4	529.89	3/4	885.46	3/4	1,231.96	3/4	1,589.53	3/4	1,946.66	3/4	2,303.76	3/4	2,661.15	3/4	3,018.33	3/4	3,374.84
6	179.35	6	537.35	6	892.62	6	1,239.41	6	1,596.98	6	1,954.10	6	2,311.21	6	2,668.59	6	3,025.77	6	3,382.25
1/4	186.82	1/4	544.80	1/4	899.78	1/4	1,246.86	1/4	1,604.43	1/4	1,961.53	1/4	2,318.66	1/4	2,676.03	1/4	3,033.21	1/4	3,389.65
1/2	194.28	1/2	552.26	1/2	906.93	1/2	1,254.31	1/2	1,611.88	1/2	1,968.96	1/2	2,326.11	1/2	2,683.47	1/2	3,040.65	1/2	3,397.05
3/4	201.75	3/4	559.71	3/4	914.09	3/4	1,261.76	3/4	1,619.33	3/4	1,976.39	3/4	2,333.56	3/4	2,690.91	3/4	3,048.09	3/4	3,404.45
7	209.22	7	567.17	7	921.25	7	1,269.21	7	1,626.78	7	1,983.83	7	2,341.01	7	2,698.35	7	3,055.54	7	3,411.85
1/4	216.68	1/4	574.62	1/4	928.41	1/4	1,276.66	1/4	1,634.23	1/4	1,991.26	1/4	2,348.47	1/4	2,705.79	1/4	3,062.98	1/4	3,419.02
1/2	224.15	1/2	582.08	1/2	935.56	1/2	1,284.11	1/2	1,641.68	1/2	1,998.69	1/2	2,355.92	1/2	2,713.24	1/2	3,070.42	1/2	3,426.19
3/4	231.61	3/4	589.53	3/4	942.72	3/4	1,291.56	3/4	1,649.13	3/4	2,006.13	3/4	2,363.37	3/4	2,720.68	3/4	3,077.86	3/4	3,433.36
8	239.08	8	596.98	8	949.88	8	1,299.01	8	1,656.58	8	2,013.56	8	2,370.82	8	2,728.12	8	3,085.30	8	3,440.54
1/4	246.55	1/4	604.44	1/4	957.04	1/4	1,306.46	1/4	1,664.03	1/4	2,020.99	1/4	2,378.27	1/4	2,735.56	1/4	3,092.74	1/4	3,447.23
1/2	254.01	1/2	611.89	1/2	964.19	1/2	1,313.91	1/2	1,671.48	1/2	2,028.43	1/2	2,385.72	1/2	2,743.00	1/2	3,100.18	1/2	3,453.92
3/4	261.48	3/4	619.35	3/4	971.35	3/4	1,321.36	3/4	1,678.93	3/4	2,035.86	3/4	2,393.17	3/4	2,750.44	3/4	3,107.62	3/4	3,460.61
9	268.94	9	626.80	9	978.51	9	1,328.80	9	1,686.38	9	2,043.29	9	2,400.63	9	2,757.88	9	3,115.07	9	3,467.30
1/4	276.41	1/4	634.26	1/4	985.67	1/4	1,336.25	1/4	1,693.83	1/4	2,050.72	1/4	2,408.08	1/4	2,765.32	1/4	3,122.51	1/4	3,473.52
1/2	283.88	1/2	641.71	1/2	992.82	1/2	1,343.70	1/2	1,701.27	1/2	2,058.14	1/2	2,415.53	1/2	2,772.77	1/2	3,129.95	1/2	3,479.73
3/4	291.34	3/4	649.16	3/4	999.98	3/4	1,351.15	3/4	1,708.72	3/4	2,065.57	3/4	2,422.98	3/4	2,780.21	3/4	3,137.39	3/4	3,485.95
10	298.81	10	656.62	10	1,007.14	10	1,358.60	10	1,716.17	10	2,072.99	10	2,430.43	10	2,787.65	10	3,144.83	10	3,492.16
1/4	306.26	1/4	664.07	1/4	1,014.30	1/4	1,366.05	1/4	1,723.62	1/4	2,080.42	1/4	2,437.88	1/4	2,795.09	1/4	3,152.27	1/4	3,497.91
1/2	313.72	1/2	671.53	1/2	1,021.45	1/2	1,373.50	1/2	1,731.07	1/2	2,087.85	1/2	2,445.32	1/2	2,802.53	1/2	3,159.71	1/2	3,503.66
3/4	321.17	3/4	678.98	3/4	1,028.61	3/4	1,380.95	3/4	1,738.52	3/4	2,095.27	3/4	2,452.76	3/4	2,809.97	3/4	3,167.15	3/4	3,509.40
11	328.63	11	686.44	11	1,035.77	11	1,388.40	11	1,745.97	11	2,102.70	11	2,460.20	11	2,817.41	11	3,174.60	11	3,515.15
1/4	336.08	1/4	693.89	1/4	1,042.92	1/4	1,395.85	1/4	1,753.40	1/4	2,110.14	1/4	2,467.65	1/4	2,824.86	1/4	3,182.04	1/4	3,520.42
1/2	343.53	1/2	701.35	1/2	1,050.08	1/2	1,403.30	1/2	1,760.84	1/2	2,117.59	1/2	2,475.09	1/2	2,832.30	1/2	3,189.48	1/2	3,525.68
3/4	350.99	3/4	708.80	3/4	1,057.24	3/4	1,410.75	3/4	1,768.27	3/4	2,125.03	3/4	2,482.53	3/4	2,839.74	3/4	3,196.92	3/4	3,530.95

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 THE 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 29131"

3 PORT INNAGE TABLE

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

FORMERLY "E2MS 301"

GAUGE HEIGHT 15'-09"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	3,536.21	0	3,757.16	0	3,976.74	0	4,196.11	0	4,414.39	0		0		0		0		0	
1/4	3,541.04	1/4	3,761.74	1/4	3,981.31	1/4	4,200.68	1/4	4,418.87	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.86	1/2	3,766.32	1/2	3,985.88	1/2	4,205.25	1/2	4,423.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,550.68	3/4	3,770.91	3/4	3,990.45	3/4	4,209.82	3/4	4,427.84	3/4		3/4		3/4		3/4		3/4	
1	3,555.51	1	3,775.49	1	3,995.02	1	4,214.39	1	4,432.32	1		1		1		1		1	
1/4	3,560.09	1/4	3,780.07	1/4	3,999.59	1/4	4,218.96	1/4	4,436.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,564.67	1/2	3,784.66	1/2	4,004.16	1/2	4,223.53	1/2	4,440.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,569.26	3/4	3,789.24	3/4	4,008.73	3/4	4,228.10	3/4	4,444.18	3/4		3/4		3/4		3/4		3/4	
2	3,573.84	2	3,793.82	2	4,013.30	2	4,232.67	2	4,448.13	2		2		2		2		2	
1/4	3,578.42	1/4	3,798.41	1/4	4,017.87	1/4	4,237.24	1/4	4,451.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,583.00	1/2	3,802.99	1/2	4,022.44	1/2	4,241.81	1/2	4,454.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,587.59	3/4	3,807.57	3/4	4,027.01	3/4	4,246.38	3/4	4,457.70	3/4		3/4		3/4		3/4		3/4	
3	3,592.17	3	3,812.15	3	4,031.58	3	4,250.95	3	4,460.89	3		3		3		3		3	
1/4	3,596.75	1/4	3,816.74	1/4	4,036.15	1/4	4,255.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,601.34	1/2	3,821.32	1/2	4,040.72	1/2	4,260.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,605.92	3/4	3,825.90	3/4	4,045.29	3/4	4,264.67	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,610.50	4	3,830.49	4	4,049.86	4	4,269.24	4	4	4		4		4		4		4	
1/4	3,615.09	1/4	3,835.06	1/4	4,054.43	1/4	4,273.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,619.67	1/2	3,839.63	1/2	4,059.00	1/2	4,278.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,624.25	3/4	3,844.20	3/4	4,063.57	3/4	4,282.95	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,628.83	5	3,848.77	5	4,068.14	5	4,287.52	5	5	5		5		5		5		5	
1/4	3,633.42	1/4	3,853.34	1/4	4,072.71	1/4	4,292.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,638.00	1/2	3,857.91	1/2	4,077.28	1/2	4,296.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,642.58	3/4	3,862.48	3/4	4,081.85	3/4	4,301.23	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,647.17	6	3,867.05	6	4,086.42	6	4,305.80	6	6	6		6		6		6		6	
1/4	3,651.75	1/4	3,871.62	1/4	4,090.99	1/4	4,310.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,656.33	1/2	3,876.19	1/2	4,095.56	1/2	4,314.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.92	3/4	3,880.76	3/4	4,100.13	3/4	4,319.37	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,665.50	7	3,885.33	7	4,104.70	7	4,323.90	7	7	7		7		7		7		7	
1/4	3,670.08	1/4	3,889.90	1/4	4,109.27	1/4	4,328.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,674.66	1/2	3,894.47	1/2	4,113.85	1/2	4,332.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,679.25	3/4	3,899.04	3/4	4,118.42	3/4	4,337.48	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,683.83	8	3,903.61	8	4,122.99	8	4,342.00	8	8	8		8		8		8		8	
1/4	3,688.41	1/4	3,908.18	1/4	4,127.56	1/4	4,346.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.00	1/2	3,912.75	1/2	4,132.13	1/2	4,351.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,697.58	3/4	3,917.32	3/4	4,136.70	3/4	4,355.58	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,702.16	9	3,921.89	9	4,141.27	9	4,360.11	9	9	9		9		9		9		9	
1/4	3,706.75	1/4	3,926.46	1/4	4,145.84	1/4	4,364.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,711.33	1/2	3,931.03	1/2	4,150.41	1/2	4,369.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.91	3/4	3,935.60	3/4	4,154.98	3/4	4,373.68	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,720.49	10	3,940.17	10	4,159.55	10	4,378.21	10	10	10		10		10		10		10	
1/4	3,725.08	1/4	3,944.74	1/4	4,164.12	1/4	4,382.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.66	1/2	3,949.31	1/2	4,168.69	1/2	4,387.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,734.24	3/4	3,953.88	3/4	4,173.26	3/4	4,391.79	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,738.83	11	3,958.46	11	4,177.83	11	4,396.32	11	11	11		11		11		11		11	
1/4	3,743.41	1/4	3,963.03	1/4	4,182.40	1/4	4,400.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.99	1/2	3,967.60	1/2	4,186.97	1/2	4,405.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,752.58	3/4	3,972.17	3/4	4,191.54	3/4	4,409.87	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 : 10/20/2022 JS
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29131"

3 STBD INNAGE TABLE

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

FORMERLY "E2MS 301"

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	15.29	0	358.27	0	716.37	0	1,074.08	0	1,432.09	0	1,790.20	0	2,148.32	0	2,506.36	0	2,864.01	0	3,221.63
1/4	19.95	1/4	365.73	1/4	723.83	1/4	1,081.52	1/4	1,439.55	1/4	1,797.67	1/4	2,155.78	1/4	2,513.81	1/4	2,871.46	1/4	3,229.05
1/2	24.61	1/2	373.19	1/2	731.30	1/2	1,088.97	1/2	1,447.01	1/2	1,805.13	1/2	2,163.24	1/2	2,521.26	1/2	2,878.91	1/2	3,236.47
3/4	29.27	3/4	380.65	3/4	738.76	3/4	1,096.42	3/4	1,454.47	3/4	1,812.59	3/4	2,170.70	3/4	2,528.71	3/4	2,886.36	3/4	3,243.89
1	33.94	1	388.11	1	746.22	1	1,103.86	1	1,461.93	1	1,820.05	1	2,178.16	1	2,536.17	1	2,893.81	1	3,251.32
1/4	40.46	1/4	395.57	1/4	753.68	1/4	1,111.32	1/4	1,469.39	1/4	1,827.51	1/4	2,185.62	1/4	2,543.62	1/4	2,901.26	1/4	3,258.74
1/2	46.99	1/2	403.03	1/2	761.14	1/2	1,118.77	1/2	1,476.86	1/2	1,834.97	1/2	2,193.08	1/2	2,551.07	1/2	2,908.71	1/2	3,266.16
3/4	53.52	3/4	410.49	3/4	768.60	3/4	1,126.23	3/4	1,484.32	3/4	1,842.43	3/4	2,200.54	3/4	2,558.52	3/4	2,916.16	3/4	3,273.58
2	60.04	2	417.95	2	776.06	2	1,133.68	2	1,491.78	2	1,849.89	2	2,208.00	2	2,565.97	2	2,923.61	2	3,281.00
1/4	67.47	1/4	425.41	1/4	783.52	1/4	1,141.14	1/4	1,499.24	1/4	1,857.35	1/4	2,215.46	1/4	2,573.42	1/4	2,931.06	1/4	3,288.42
1/2	74.89	1/2	432.88	1/2	790.98	1/2	1,148.60	1/2	1,506.70	1/2	1,864.81	1/2	2,222.93	1/2	2,580.88	1/2	2,938.51	1/2	3,295.85
3/4	82.32	3/4	440.34	3/4	798.44	3/4	1,156.05	3/4	1,514.16	3/4	1,872.27	3/4	2,230.39	3/4	2,588.33	3/4	2,945.96	3/4	3,303.27
3	89.74	3	447.80	3	805.90	3	1,163.51	3	1,521.62	3	1,879.73	3	2,237.85	3	2,595.78	3	2,953.41	3	3,310.69
1/4	97.19	1/4	455.26	1/4	813.36	1/4	1,170.97	1/4	1,529.08	1/4	1,887.19	1/4	2,245.31	1/4	2,603.23	1/4	2,960.86	1/4	3,318.11
1/2	104.64	1/2	462.72	1/2	820.82	1/2	1,178.43	1/2	1,536.54	1/2	1,894.65	1/2	2,252.77	1/2	2,610.68	1/2	2,968.31	1/2	3,325.53
3/4	112.09	3/4	470.18	3/4	828.28	3/4	1,185.89	3/4	1,544.00	3/4	1,902.12	3/4	2,260.23	3/4	2,618.13	3/4	2,975.76	3/4	3,332.95
4	119.54	4	477.64	4	835.74	4	1,193.35	4	1,551.46	4	1,909.58	4	2,267.69	4	2,625.58	4	2,983.21	4	3,340.38
1/4	127.00	1/4	485.10	1/4	843.20	1/4	1,200.81	1/4	1,558.92	1/4	1,917.04	1/4	2,275.15	1/4	2,633.04	1/4	2,990.66	1/4	3,347.80
1/2	134.46	1/2	492.56	1/2	850.66	1/2	1,208.27	1/2	1,566.38	1/2	1,924.50	1/2	2,282.61	1/2	2,640.49	1/2	2,998.11	1/2	3,355.22
3/4	141.92	3/4	500.02	3/4	858.12	3/4	1,215.73	3/4	1,573.84	3/4	1,931.96	3/4	2,290.07	3/4	2,647.94	3/4	3,005.56	3/4	3,362.64
5	149.38	5	507.48	5	865.58	5	1,223.19	5	1,581.31	5	1,939.42	5	2,297.53	5	2,655.39	5	3,013.02	5	3,370.06
1/4	156.84	1/4	514.94	1/4	873.03	1/4	1,230.65	1/4	1,588.77	1/4	1,946.88	1/4	2,304.99	1/4	2,662.84	1/4	3,020.47	1/4	3,377.48
1/2	164.30	1/2	522.40	1/2	880.48	1/2	1,238.11	1/2	1,596.23	1/2	1,954.34	1/2	2,312.45	1/2	2,670.29	1/2	3,027.92	1/2	3,384.90
3/4	171.76	3/4	529.86	3/4	887.92	3/4	1,245.57	3/4	1,603.69	3/4	1,961.80	3/4	2,319.91	3/4	2,677.74	3/4	3,035.37	3/4	3,392.32
6	179.22	6	537.32	6	895.37	6	1,253.03	6	1,611.15	6	1,969.26	6	2,327.38	6	2,685.19	6	3,042.82	6	3,399.74
1/4	186.68	1/4	544.78	1/4	902.82	1/4	1,260.50	1/4	1,618.61	1/4	1,976.72	1/4	2,334.84	1/4	2,692.64	1/4	3,050.27	1/4	3,407.14
1/2	194.14	1/2	552.24	1/2	910.26	1/2	1,267.96	1/2	1,626.07	1/2	1,984.18	1/2	2,342.30	1/2	2,700.09	1/2	3,057.72	1/2	3,414.55
3/4	201.60	3/4	559.70	3/4	917.71	3/4	1,275.42	3/4	1,633.53	3/4	1,991.64	3/4	2,349.76	3/4	2,707.54	3/4	3,065.17	3/4	3,421.96
7	209.06	7	567.16	7	925.15	7	1,282.88	7	1,640.99	7	1,999.10	7	2,357.22	7	2,715.00	7	3,072.62	7	3,429.37
1/4	216.52	1/4	574.62	1/4	932.60	1/4	1,290.34	1/4	1,648.45	1/4	2,006.57	1/4	2,364.68	1/4	2,722.45	1/4	3,080.07	1/4	3,436.55
1/2	223.98	1/2	582.09	1/2	940.05	1/2	1,297.80	1/2	1,655.91	1/2	2,014.03	1/2	2,372.14	1/2	2,729.90	1/2	3,087.52	1/2	3,443.73
3/4	231.44	3/4	589.55	3/4	947.49	3/4	1,305.26	3/4	1,663.37	3/4	2,021.49	3/4	2,379.60	3/4	2,737.35	3/4	3,094.97	3/4	3,450.91
8	238.90	8	597.01	8	954.94	8	1,312.72	8	1,670.83	8	2,028.95	8	2,387.06	8	2,744.80	8	3,102.42	8	3,458.09
1/4	246.36	1/4	604.47	1/4	962.39	1/4	1,320.18	1/4	1,678.29	1/4	2,036.41	1/4	2,394.52	1/4	2,752.25	1/4	3,109.87	1/4	3,464.80
1/2	253.82	1/2	611.93	1/2	969.83	1/2	1,327.64	1/2	1,685.76	1/2	2,043.87	1/2	2,401.98	1/2	2,759.70	1/2	3,117.32	1/2	3,471.50
3/4	261.28	3/4	619.39	3/4	977.28	3/4	1,335.10	3/4	1,693.22	3/4	2,051.33	3/4	2,409.44	3/4	2,767.15	3/4	3,124.77	3/4	3,478.20
9	268.74	9	626.85	9	984.72	9	1,342.56	9	1,700.68	9	2,058.79	9	2,416.90	9	2,774.60	9	3,132.22	9	3,484.90
1/4	276.20	1/4	634.31	1/4	992.17	1/4	1,350.02	1/4	1,708.14	1/4	2,066.25	1/4	2,424.36	1/4	2,782.05	1/4	3,139.67	1/4	3,491.13
1/2	283.67	1/2	641.77	1/2	999.62	1/2	1,357.48	1/2	1,715.60	1/2	2,073.71	1/2	2,431.83	1/2	2,789.50	1/2	3,147.12	1/2	3,497.35
3/4	291.13	3/4	649.23	3/4	1,007.06	3/4	1,364.94	3/4	1,723.06	3/4	2,081.17	3/4	2,439.29	3/4	2,796.95	3/4	3,154.57	3/4	3,503.57
10	298.59	10	656.69	10	1,014.51	10	1,372.41	10	1,730.52	10	2,088.63	10	2,446.75	10	2,804.40	10	3,162.03	10	3,509.79
1/4	306.05	1/4	664.15	1/4	1,021.95	1/4	1,379.87	1/4	1,737.98	1/4	2,096.09	1/4	2,454.20	1/4	2,811.85	1/4	3,169.48	1/4	3,515.54
1/2	313.51	1/2	671.61	1/2	1,029.40	1/2	1,387.33	1/2	1,745.44	1/2	2,103.55	1/2	2,461.65	1/2	2,819.30	1/2	3,176.93	1/2	3,521.28
3/4	320.97	3/4	679.07	3/4	1,036.85	3/4	1,394.79	3/4	1,752.90	3/4	2,111.01	3/4	2,469.10	3/4	2,826.75	3/4	3,184.38	3/4	3,527.02
11	328.43	11	686.53	11	1,044.29	11	1,402.25	11	1,760.36	11	2,118.48	11	2,476.55	11	2,834.20	11	3,191.83	11	3,532.76
1/4	335.89	1/4	693.99	1/4	1,051.74	1/4	1,409.71	1/4	1,767.82	1/4	2,125.94	1/4	2,484.00	1/4	2,841.65	1/4	3,199.28	1/4	3,538.03
1/2	343.35	1/2	701.45	1/2	1,059.19	1/2	1,417.17	1/2	1,775.28	1/2	2,133.40	1/2	2,491.46	1/2	2,849.10	1/2	3,206.73	1/2	3,543.29
3/4	350.81	3/4	708.91	3/4	1,066.63	3/4	1,424.63	3/4	1,782.74	3/4	2,140.86	3/4	2,498.91	3/4	2,856.55	3/4	3,214.18	3/4	3,548.55

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 THE 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 29131"

3 STBD INNAGE TABLE

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

FORMERLY "E2MS 301"

GAUGE HEIGHT 15'-09"

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	3,553.81	0	3,774.63	0	3,994.08	0	4,213.33	0	4,431.46	0		0		0		0		0	
1/4	3,558.63	1/4	3,779.21	1/4	3,998.65	1/4	4,217.90	1/4	4,435.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,563.45	1/2	3,783.79	1/2	4,003.21	1/2	4,222.46	1/2	4,440.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.27	3/4	3,788.37	3/4	4,007.78	3/4	4,227.03	3/4	4,444.90	3/4		3/4		3/4		3/4		3/4	
1	3,573.09	1	3,792.95	1	4,012.35	1	4,231.60	1	4,449.38	1		1		1		1		1	
1/4	3,577.68	1/4	3,797.53	1/4	4,016.92	1/4	4,236.17	1/4	4,453.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,582.26	1/2	3,802.11	1/2	4,021.49	1/2	4,240.74	1/2	4,457.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,586.84	3/4	3,806.69	3/4	4,026.05	3/4	4,245.30	3/4	4,461.24	3/4		3/4		3/4		3/4		3/4	
2	3,591.42	2	3,811.27	2	4,030.62	2	4,249.87	2	4,465.19	2		2		2		2		2	
1/4	3,596.00	1/4	3,815.85	1/4	4,035.19	1/4	4,254.44	1/4	4,468.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,600.58	1/2	3,820.43	1/2	4,039.76	1/2	4,259.01	1/2	4,471.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,605.16	3/4	3,825.01	3/4	4,044.32	3/4	4,263.57	3/4	4,474.75	3/4		3/4		3/4		3/4		3/4	
3	3,609.74	3	3,829.59	3	4,048.89	3	4,268.14	3	4,477.94	3		3		3		3		3	
1/4	3,614.32	1/4	3,834.17	1/4	4,053.46	1/4	4,272.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,618.90	1/2	3,838.75	1/2	4,058.03	1/2	4,277.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,623.48	3/4	3,843.33	3/4	4,062.59	3/4	4,281.84	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,628.06	4	3,847.91	4	4,067.16	4	4,286.41	4		4		4		4		4		4	
1/4	3,632.64	1/4	3,852.48	1/4	4,071.73	1/4	4,290.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,637.22	1/2	3,857.05	1/2	4,076.30	1/2	4,295.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,641.80	3/4	3,861.62	3/4	4,080.87	3/4	4,300.12	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,646.38	5	3,866.18	5	4,085.43	5	4,304.68	5		5		5		5		5		5	
1/4	3,650.96	1/4	3,870.75	1/4	4,090.00	1/4	4,309.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,655.54	1/2	3,875.32	1/2	4,094.57	1/2	4,313.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,660.12	3/4	3,879.89	3/4	4,099.14	3/4	4,318.39	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,664.70	6	3,884.45	6	4,103.70	6	4,322.95	6		6		6		6		6		6	
1/4	3,669.28	1/4	3,889.02	1/4	4,108.27	1/4	4,327.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,673.86	1/2	3,893.59	1/2	4,112.84	1/2	4,332.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,678.44	3/4	3,898.16	3/4	4,117.41	3/4	4,336.52	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,683.02	7	3,902.73	7	4,121.97	7	4,341.04	7		7		7		7		7		7	
1/4	3,687.60	1/4	3,907.29	1/4	4,126.54	1/4	4,345.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,692.18	1/2	3,911.86	1/2	4,131.11	1/2	4,350.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.76	3/4	3,916.43	3/4	4,135.68	3/4	4,354.61	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,701.34	8	3,921.00	8	4,140.25	8	4,359.13	8		8		8		8		8		8	
1/4	3,705.92	1/4	3,925.56	1/4	4,144.81	1/4	4,363.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,710.50	1/2	3,930.13	1/2	4,149.38	1/2	4,368.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.08	3/4	3,934.70	3/4	4,153.95	3/4	4,372.70	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,719.66	9	3,939.27	9	4,158.52	9	4,377.22	9		9		9		9		9		9	
1/4	3,724.24	1/4	3,943.83	1/4	4,163.08	1/4	4,381.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,728.83	1/2	3,948.40	1/2	4,167.65	1/2	4,386.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,733.41	3/4	3,952.97	3/4	4,172.22	3/4	4,390.79	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,737.99	10	3,957.54	10	4,176.79	10	4,395.32	10		10		10		10		10		10	
1/4	3,742.57	1/4	3,962.11	1/4	4,181.35	1/4	4,399.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.15	1/2	3,966.67	1/2	4,185.92	1/2	4,404.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,751.73	3/4	3,971.24	3/4	4,190.49	3/4	4,408.88	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,756.31	11	3,975.81	11	4,195.06	11	4,413.40	11		11		11		11		11		11	
1/4	3,760.89	1/4	3,980.38	1/4	4,199.63	1/4	4,417.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,765.47	1/2	3,984.94	1/2	4,204.19	1/2	4,422.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,770.05	3/4	3,989.51	3/4	4,208.76	3/4	4,426.95	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 : 10/20/2022 CL
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29131"

ULLAGE (HERMETIC)

FORMERLY "E2MS 301"

	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	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8
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	- 02-0/8	02-0/8
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	- 02-0/8	02-0/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 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"

October 20, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29131"

1 PORT ULLAGE TABLE

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

FORMERLY "E2MS 301"

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	
0		0		0		0		0	4,710.22	0	4,352.41	0	3,994.57	0	3,635.71	0	3,276.85	0	2,918.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.77	1/4	4,344.95	1/4	3,987.09	1/4	3,628.24	1/4	3,269.38	1/4	2,910.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,695.31	1/2	4,337.50	1/2	3,979.62	1/2	3,620.76	1/2	3,261.90	1/2	2,903.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,030.25	3/4	4,687.86	3/4	4,330.04	3/4	3,972.14	3/4	3,613.28	3/4	2,895.57
1		1		1		1		1	5,025.05	1	4,680.41	1	4,322.59	1	3,964.67	1	3,605.81	1	3,246.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,019.85	1/4	4,672.95	1/4	4,315.14	1/4	3,957.19	1/4	3,598.33	1/4	3,239.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,014.65	1/2	4,665.50	1/2	4,307.68	1/2	3,949.71	1/2	3,590.86	1/2	3,232.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,009.44	3/4	4,658.04	3/4	4,300.23	3/4	3,942.24	3/4	3,583.38	3/4	3,224.52
2		2		2		2		2	5,003.00	2	4,650.59	2	4,292.77	2	3,934.76	2	3,575.90	2	3,217.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,996.55	1/4	4,643.13	1/4	4,285.32	1/4	3,927.28	1/4	3,568.43	1/4	3,209.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,990.10	1/2	4,635.68	1/2	4,277.86	1/2	3,919.81	1/2	3,560.95	1/2	3,202.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,983.65	3/4	4,628.22	3/4	4,270.41	3/4	3,912.33	3/4	3,553.47	3/4	3,194.62
3		3		3		3		3	4,976.34	3	4,620.77	3	4,262.95	3	3,904.86	3	3,546.00	3	3,187.14
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,969.03	1/4	4,613.32	1/4	4,255.50	1/4	3,897.38	1/4	3,538.52	1/4	3,179.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,961.72	1/2	4,605.86	1/2	4,248.04	1/2	3,889.90	1/2	3,531.05	1/2	3,172.19
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,954.41	3/4	4,598.41	3/4	4,240.59	3/4	3,882.43	3/4	3,523.57	3/4	3,164.71
4		4		4		4		4	4,947.04	4	4,590.95	4	4,233.14	4	3,874.95	4	3,516.09	4	3,157.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,939.67	1/4	4,583.50	1/4	4,225.68	1/4	3,867.47	1/4	3,508.62	1/4	3,149.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,932.30	1/2	4,576.04	1/2	4,218.23	1/2	3,860.00	1/2	3,501.14	1/2	3,142.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,924.93	3/4	4,568.59	3/4	4,210.77	3/4	3,852.52	3/4	3,493.66	3/4	3,134.81
5		5		5		5		5	4,917.55	5	4,561.13	5	4,203.32	5	3,845.05	5	3,486.19	5	3,127.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,910.18	1/4	4,553.68	1/4	4,195.86	1/4	3,837.57	1/4	3,478.71	1/4	3,119.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,902.80	1/2	4,546.22	1/2	4,188.41	1/2	3,830.09	1/2	3,471.24	1/2	3,112.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,895.42	3/4	4,538.77	3/4	4,180.95	3/4	3,822.62	3/4	3,463.76	3/4	3,104.90
6		6		6		6		6	4,888.04	6	4,531.32	6	4,173.50	6	3,815.14	6	3,456.28	6	3,097.43
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,880.65	1/4	4,523.86	1/4	4,166.05	1/4	3,807.66	1/4	3,448.81	1/4	3,089.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,873.27	1/2	4,516.41	1/2	4,158.59	1/2	3,800.19	1/2	3,441.33	1/2	3,082.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,865.89	3/4	4,508.95	3/4	4,151.14	3/4	3,792.71	3/4	3,433.85	3/4	3,075.00
7		7		7		7		7	4,858.51	7	4,501.50	7	4,143.68	7	3,785.24	7	3,426.38	7	3,067.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,851.13	1/4	4,494.04	1/4	4,136.23	1/4	3,777.76	1/4	3,418.90	1/4	3,060.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,843.74	1/2	4,486.59	1/2	4,128.77	1/2	3,770.28	1/2	3,411.43	1/2	3,052.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,836.36	3/4	4,479.13	3/4	4,121.32	3/4	3,762.81	3/4	3,403.95	3/4	3,045.09
8		8		8		8		8	4,828.98	8	4,471.68	8	4,113.86	8	3,755.33	8	3,396.47	8	3,037.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,821.60	1/4	4,464.23	1/4	4,106.41	1/4	3,747.86	1/4	3,389.00	1/4	3,030.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,814.22	1/2	4,456.77	1/2	4,098.95	1/2	3,740.38	1/2	3,381.52	1/2	3,022.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,806.84	3/4	4,449.32	3/4	4,091.50	3/4	3,732.90	3/4	3,374.05	3/4	3,015.19
9		9		9		9		9	4,799.46	9	4,441.86	9	4,084.05	9	3,725.43	9	3,366.57	9	3,007.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,792.08	1/4	4,434.41	1/4	4,076.59	1/4	3,717.95	1/4	3,359.09	1/4	3,000.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,784.70	1/2	4,426.95	1/2	4,069.14	1/2	3,710.47	1/2	3,351.62	1/2	2,992.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,777.31	3/4	4,419.50	3/4	4,061.68	3/4	3,703.00	3/4	3,344.14	3/4	2,985.28
10		10		10		10		10	4,769.86	10	4,412.04	10	4,054.23	10	3,695.52	10	3,336.66	10	2,977.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,762.41	1/4	4,404.59	1/4	4,046.77	1/4	3,688.05	1/4	3,329.19	1/4	2,970.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,754.95	1/2	4,397.13	1/2	4,039.32	1/2	3,680.57	1/2	3,321.71	1/2	2,962.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,747.50	3/4	4,389.68	3/4	4,031.86	3/4	3,673.09	3/4	3,314.24	3/4	2,955.38
11		11		11		11		11	4,740.04	11	4,382.23	11	4,024.41	11	3,665.62	11	3,306.76	11	2,947.90
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,732.59	1/4	4,374.77	1/4	4,016.96	1/4	3,658.14	1/4	3,299.28	1/4	2,940.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,725.13	1/2	4,367.32	1/2	4,009.50	1/2	3,650.66	1/2	3,291.81	1/2	2,932.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.68	3/4	4,359.86	3/4	4,002.05	3/4	3,643.19	3/4	3,284.33	3/4	2,925.47

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 29131"

1 PORT ULLAGE TABLE

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

FORMERLY "E2MS 301"

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	2,559.13	0	2,200.17	0	1,841.20	0	1,482.24	0	1,123.31	0	766.86	0	409.84	0	89.85	0		0	
1/4	2,551.65	1/4	2,192.69	1/4	1,833.72	1/4	1,474.76	1/4	1,115.86	1/4	759.38	1/4	402.66	1/4	83.75	1/4		1/4	
1/2	2,544.17	1/2	2,185.21	1/2	1,826.25	1/2	1,467.28	1/2	1,108.41	1/2	751.90	1/2	395.49	1/2	77.64	1/2		1/2	
3/4	2,536.69	3/4	2,177.73	3/4	1,818.77	3/4	1,459.80	3/4	1,100.97	3/4	744.43	3/4	388.32	3/4	71.53	3/4		3/4	
1	2,529.21	1	2,170.25	1	1,811.29	1	1,452.33	1	1,093.52	1	736.95	1	381.24	1	65.54	1		1	
1/4	2,521.74	1/4	2,162.77	1/4	1,803.81	1/4	1,444.85	1/4	1,086.07	1/4	729.47	1/4	374.16	1/4	59.54	1/4		1/4	
1/2	2,514.26	1/2	2,155.29	1/2	1,796.33	1/2	1,437.37	1/2	1,078.63	1/2	721.99	1/2	367.07	1/2	53.55	1/2		1/2	
3/4	2,506.78	3/4	2,147.82	3/4	1,788.85	3/4	1,429.89	3/4	1,071.18	3/4	714.51	3/4	359.99	3/4	47.55	3/4		3/4	
2	2,499.30	2	2,140.34	2	1,781.37	2	1,422.41	2	1,063.75	2	707.04	2	352.99	2	42.55	2		2	
1/4	2,491.82	1/4	2,132.86	1/4	1,773.90	1/4	1,414.93	1/4	1,056.32	1/4	699.56	1/4	346.00	1/4	37.54	1/4		1/4	
1/2	2,484.34	1/2	2,125.38	1/2	1,766.42	1/2	1,407.45	1/2	1,048.89	1/2	692.08	1/2	339.00	1/2	32.53	1/2		1/2	
3/4	2,476.87	3/4	2,117.90	3/4	1,758.94	3/4	1,399.98	3/4	1,041.47	3/4	684.60	3/4	332.01	3/4	27.53	3/4		3/4	
3	2,469.39	3	2,110.42	3	1,751.46	3	1,392.50	3	1,034.05	3	677.12	3	325.10	3	24.48	3		3	
1/4	2,461.91	1/4	2,102.95	1/4	1,743.98	1/4	1,385.02	1/4	1,026.63	1/4	669.64	1/4	318.19	1/4	21.43	1/4		1/4	
1/2	2,454.43	1/2	2,095.47	1/2	1,736.50	1/2	1,377.54	1/2	1,019.21	1/2	662.17	1/2	311.28	1/2	18.38	1/2		1/2	
3/4	2,446.95	3/4	2,087.99	3/4	1,729.03	3/4	1,370.06	3/4	1,011.79	3/4	654.69	3/4	304.37	3/4	15.32	3/4		3/4	
4	2,439.47	4	2,080.51	4	1,721.55	4	1,362.58	4	1,004.37	4	647.21	4	297.55	4		4		4	
1/4	2,432.00	1/4	2,073.03	1/4	1,714.07	1/4	1,355.11	1/4	996.95	1/4	639.73	1/4	290.73	1/4		1/4		1/4	
1/2	2,424.52	1/2	2,065.55	1/2	1,706.59	1/2	1,347.63	1/2	989.53	1/2	632.25	1/2	283.91	1/2		1/2		1/2	
3/4	2,417.04	3/4	2,058.08	3/4	1,699.11	3/4	1,340.15	3/4	982.11	3/4	624.78	3/4	277.09	3/4		3/4		3/4	
5	2,409.56	5	2,050.60	5	1,691.63	5	1,332.67	5	974.69	5	617.30	5	270.36	5		5		5	
1/4	2,402.08	1/4	2,043.12	1/4	1,684.16	1/4	1,325.19	1/4	967.27	1/4	609.82	1/4	263.63	1/4		1/4		1/4	
1/2	2,394.60	1/2	2,035.64	1/2	1,676.68	1/2	1,317.71	1/2	959.85	1/2	602.34	1/2	256.90	1/2		1/2		1/2	
3/4	2,387.13	3/4	2,028.16	3/4	1,669.20	3/4	1,310.24	3/4	952.44	3/4	594.86	3/4	250.16	3/4		3/4		3/4	
6	2,379.65	6	2,020.68	6	1,661.72	6	1,302.76	6	945.02	6	587.39	6	243.52	6		6		6	
1/4	2,372.17	1/4	2,013.21	1/4	1,654.24	1/4	1,295.28	1/4	937.60	1/4	579.92	1/4	236.87	1/4		1/4		1/4	
1/2	2,364.69	1/2	2,005.73	1/2	1,646.76	1/2	1,287.80	1/2	930.18	1/2	572.44	1/2	230.23	1/2		1/2		1/2	
3/4	2,357.21	3/4	1,998.25	3/4	1,639.29	3/4	1,280.32	3/4	922.76	3/4	564.97	3/4	223.59	3/4		3/4		3/4	
7	2,349.73	7	1,990.77	7	1,631.81	7	1,272.84	7	915.34	7	557.50	7	217.03	7		7		7	
1/4	2,342.25	1/4	1,983.29	1/4	1,624.33	1/4	1,265.37	1/4	907.92	1/4	550.03	1/4	210.47	1/4		1/4		1/4	
1/2	2,334.78	1/2	1,975.81	1/2	1,616.85	1/2	1,257.89	1/2	900.50	1/2	542.55	1/2	203.91	1/2		1/2		1/2	
3/4	2,327.30	3/4	1,968.33	3/4	1,609.37	3/4	1,250.41	3/4	893.08	3/4	535.08	3/4	197.36	3/4		3/4		3/4	
8	2,319.82	8	1,960.86	8	1,601.89	8	1,242.93	8	885.66	8	527.60	8	190.89	8		8		8	
1/4	2,312.34	1/4	1,953.38	1/4	1,594.41	1/4	1,235.45	1/4	878.24	1/4	520.12	1/4	184.42	1/4		1/4		1/4	
1/2	2,304.86	1/2	1,945.90	1/2	1,586.94	1/2	1,227.97	1/2	870.82	1/2	512.65	1/2	177.95	1/2		1/2		1/2	
3/4	2,297.38	3/4	1,938.42	3/4	1,579.46	3/4	1,220.49	3/4	863.40	3/4	505.17	3/4	171.48	3/4		3/4		3/4	
9	2,289.91	9	1,930.94	9	1,571.98	9	1,213.02	9	855.98	9	497.73	9	165.10	9		9		9	
1/4	2,282.43	1/4	1,923.46	1/4	1,564.50	1/4	1,205.54	1/4	848.57	1/4	490.30	1/4	158.72	1/4		1/4		1/4	
1/2	2,274.95	1/2	1,915.99	1/2	1,557.02	1/2	1,198.06	1/2	841.15	1/2	482.86	1/2	152.34	1/2		1/2		1/2	
3/4	2,267.47	3/4	1,908.51	3/4	1,549.54	3/4	1,190.58	3/4	833.73	3/4	475.43	3/4	145.95	3/4		3/4		3/4	
10	2,259.99	10	1,901.03	10	1,542.07	10	1,183.10	10	826.31	10	468.08	10	139.66	10		10		10	
1/4	2,252.51	1/4	1,893.55	1/4	1,534.59	1/4	1,175.62	1/4	818.89	1/4	460.74	1/4	133.37	1/4		1/4		1/4	
1/2	2,245.04	1/2	1,886.07	1/2	1,527.11	1/2	1,168.15	1/2	811.47	1/2	453.39	1/2	127.07	1/2		1/2		1/2	
3/4	2,237.56	3/4	1,878.59	3/4	1,519.63	3/4	1,160.67	3/4	804.05	3/4	446.04	3/4	120.78	3/4		3/4		3/4	
11	2,230.08	11	1,871.12	11	1,512.15	11	1,153.19	11	796.62	11	438.78	11	114.57	11		11		11	
1/4	2,222.60	1/4	1,863.64	1/4	1,504.67	1/4	1,145.71	1/4	789.19	1/4	431.53	1/4	108.37	1/4		1/4		1/4	
1/2	2,215.12	1/2	1,856.16	1/2	1,497.20	1/2	1,138.23	1/2	781.77	1/2	424.27	1/2	102.17	1/2		1/2		1/2	
3/4	2,207.64	3/4	1,848.68	3/4	1,489.72	3/4	1,130.75	3/4	774.34	3/4	417.01	3/4	95.96	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 10/20/2022 CL
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29131"

1 STBD ULLAGE TABLE

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

FORMERLY "E2MS 301"

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	4,712.23	0	4,354.43	0	3,996.61	0	3,637.75	0	3,278.89	0	2,920.03		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,704.78	1/4	4,346.98	1/4	3,989.13	1/4	3,630.27	1/4	3,271.41	1/4	2,912.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,697.32	1/2	4,339.52	1/2	3,981.65	1/2	3,622.80	1/2	3,263.94	1/2	2,905.08		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,032.25	3/4	4,689.87	3/4	4,332.07	3/4	3,974.18	3/4	3,615.32	3/4	3,256.46	3/4	2,897.60
1		1		1		1		1	5,027.05	1	4,682.41	1	4,324.61	1	3,966.70	1	3,607.84	1	3,248.99	1	2,890.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,021.85	1/4	4,674.96	1/4	4,317.16	1/4	3,959.23	1/4	3,600.37	1/4	3,241.51	1/4	2,882.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,016.65	1/2	4,667.51	1/2	4,309.70	1/2	3,951.75	1/2	3,592.89	1/2	3,234.03	1/2	2,875.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,011.45	3/4	4,660.05	3/4	4,302.25	3/4	3,944.27	3/4	3,585.42	3/4	3,226.56	3/4	2,867.70
2		2		2		2		2	5,005.00	2	4,652.60	2	4,294.80	2	3,936.80	2	3,577.94	2	3,219.08	2	2,860.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,998.55	1/4	4,645.14	1/4	4,287.34	1/4	3,929.32	1/4	3,570.46	1/4	3,211.61	1/4	2,852.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,992.10	1/2	4,637.69	1/2	4,279.89	1/2	3,921.84	1/2	3,562.99	1/2	3,204.13	1/2	2,845.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,985.65	3/4	4,630.24	3/4	4,272.43	3/4	3,914.37	3/4	3,555.51	3/4	3,196.65	3/4	2,837.80
3		3		3		3		3	4,978.34	3	4,622.78	3	4,264.98	3	3,906.89	3	3,548.03	3	3,189.18	3	2,830.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,971.03	1/4	4,615.33	1/4	4,257.53	1/4	3,899.42	1/4	3,540.56	1/4	3,181.70	1/4	2,822.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,963.72	1/2	4,607.87	1/2	4,250.07	1/2	3,891.94	1/2	3,533.08	1/2	3,174.22	1/2	2,815.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,956.41	3/4	4,600.42	3/4	4,242.62	3/4	3,884.46	3/4	3,525.61	3/4	3,167.75	3/4	2,807.89
4		4		4		4		4	4,949.04	4	4,592.96	4	4,235.16	4	3,876.99	4	3,518.13	4	3,159.27	4	2,800.41
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,941.67	1/4	4,585.51	1/4	4,227.71	1/4	3,869.51	1/4	3,510.65	1/4	3,151.80	1/4	2,792.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,934.30	1/2	4,578.06	1/2	4,220.25	1/2	3,862.03	1/2	3,503.18	1/2	3,144.32	1/2	2,785.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,926.94	3/4	4,570.60	3/4	4,212.80	3/4	3,854.56	3/4	3,495.70	3/4	3,136.84	3/4	2,777.99
5		5		5		5		5	4,919.56	5	4,563.15	5	4,205.35	5	3,847.08	5	3,488.22	5	3,129.37	5	2,770.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,912.18	1/4	4,555.69	1/4	4,197.89	1/4	3,839.61	1/4	3,480.75	1/4	3,121.89	1/4	2,763.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,904.80	1/2	4,548.24	1/2	4,190.44	1/2	3,832.13	1/2	3,473.27	1/2	3,114.41	1/2	2,755.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,897.42	3/4	4,540.78	3/4	4,182.98	3/4	3,824.65	3/4	3,465.80	3/4	3,106.94	3/4	2,748.08
6		6		6		6		6	4,890.04	6	4,533.33	6	4,175.53	6	3,817.18	6	3,458.32	6	3,099.46	6	2,740.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,882.66	1/4	4,525.88	1/4	4,168.07	1/4	3,809.70	1/4	3,450.84	1/4	3,091.99	1/4	2,733.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,875.27	1/2	4,518.42	1/2	4,160.62	1/2	3,802.22	1/2	3,443.37	1/2	3,084.51	1/2	2,725.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,867.89	3/4	4,510.97	3/4	4,153.17	3/4	3,794.75	3/4	3,435.89	3/4	3,077.03	3/4	2,718.18
7		7		7		7		7	4,860.51	7	4,503.51	7	4,145.71	7	3,787.27	7	3,428.41	7	3,069.56	7	2,710.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,853.13	1/4	4,496.06	1/4	4,138.26	1/4	3,779.80	1/4	3,420.94	1/4	3,062.08	1/4	2,703.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,845.75	1/2	4,488.61	1/2	4,130.80	1/2	3,772.32	1/2	3,413.46	1/2	3,054.60	1/2	2,695.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,838.37	3/4	4,481.15	3/4	4,123.35	3/4	3,764.84	3/4	3,405.99	3/4	3,047.13	3/4	2,688.27
8		8		8		8		8	4,830.99	8	4,473.70	8	4,115.90	8	3,757.37	8	3,398.51	8	3,039.65	8	2,680.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,823.61	1/4	4,466.24	1/4	4,108.44	1/4	3,749.89	1/4	3,391.03	1/4	3,032.18	1/4	2,673.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,816.22	1/2	4,458.79	1/2	4,100.99	1/2	3,742.42	1/2	3,383.56	1/2	3,024.70	1/2	2,665.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,808.84	3/4	4,451.33	3/4	4,093.53	3/4	3,734.94	3/4	3,376.08	3/4	3,017.22	3/4	2,658.37
9		9		9		9		9	4,801.46	9	4,443.88	9	4,086.08	9	3,727.46	9	3,368.61	9	3,009.75	9	2,650.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,794.08	1/4	4,436.43	1/4	4,078.62	1/4	3,719.99	1/4	3,361.13	1/4	3,002.27	1/4	2,643.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,786.70	1/2	4,428.97	1/2	4,071.17	1/2	3,712.51	1/2	3,353.65	1/2	2,994.80	1/2	2,635.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,779.32	3/4	4,421.52	3/4	4,063.72	3/4	3,705.03	3/4	3,346.18	3/4	2,987.32	3/4	2,628.46
10		10		10		10		10	4,771.87	10	4,414.06	10	4,056.26	10	3,697.56	10	3,338.70	10	2,979.84	10	2,620.99
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,764.41	1/4	4,406.61	1/4	4,048.81	1/4	3,690.08	1/4	3,331.22	1/4	2,972.37	1/4	2,613.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,756.96	1/2	4,399.16	1/2	4,041.35	1/2	3,682.61	1/2	3,323.75	1/2	2,964.89	1/2	2,606.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,749.50	3/4	4,391.70	3/4	4,033.90	3/4	3,675.13	3/4	3,316.27	3/4	2,957.41	3/4	2,598.56
11		11		11		11		11	4,742.05	11	4,384.25	11	4,026.44	11	3,667.65	11	3,308.80	11	2,949.94	11	2,591.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,734.59	1/4	4,376.79	1/4	4,018.99	1/4	3,660.18	1/4	3,301.32	1/4	2,942.46	1/4	2,583.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,727.14	1/2	4,369.34	1/2	4,011.54	1/2	3,652.70	1/2	3,293.84	1/2	2,934.99	1/2	2,576.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,719.69	3/4	4,361.88	3/4	4,004.08	3/4	3,645.22	3/4	3,286.37	3/4	2,927.51	3/4	2,568.64

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 29131"

1 STBD
ULLAGE TABLE

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

FORMERLY "E2MS 301"

GAUGE HEIGHT 17'-03 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,561.17	0	2,202.21	0	1,843.25	0	1,484.29	0	1,125.33	0	766.87	0	409.80	0	89.84	0		0	
1/4	2,553.69	1/4	2,194.73	1/4	1,835.77	1/4	1,476.81	1/4	1,117.85	1/4	759.40	1/4	402.63	1/4	83.73	1/4		1/4	
1/2	2,546.21	1/2	2,187.25	1/2	1,828.29	1/2	1,469.33	1/2	1,110.38	1/2	751.92	1/2	395.46	1/2	77.63	1/2		1/2	
3/4	2,538.73	3/4	2,179.77	3/4	1,820.81	3/4	1,461.86	3/4	1,102.90	3/4	744.44	3/4	388.29	3/4	71.52	3/4		3/4	
1	2,531.25	1	2,172.29	1	1,813.34	1	1,454.38	1	1,095.42	1	736.96	1	381.21	1	65.53	1		1	
1/4	2,523.77	1/4	2,164.82	1/4	1,805.86	1/4	1,446.90	1/4	1,087.95	1/4	729.48	1/4	374.13	1/4	59.53	1/4		1/4	
1/2	2,516.30	1/2	2,157.34	1/2	1,798.38	1/2	1,439.42	1/2	1,080.48	1/2	722.01	1/2	367.04	1/2	53.54	1/2		1/2	
3/4	2,508.82	3/4	2,149.86	3/4	1,790.90	3/4	1,431.94	3/4	1,073.01	3/4	714.53	3/4	359.96	3/4	47.55	3/4		3/4	
2	2,501.34	2	2,142.38	2	1,783.42	2	1,424.46	2	1,065.53	2	707.05	2	352.96	2	42.54	2		2	
1/4	2,493.86	1/4	2,134.90	1/4	1,775.94	1/4	1,416.99	1/4	1,058.06	1/4	699.57	1/4	345.97	1/4	37.53	1/4		1/4	
1/2	2,486.38	1/2	2,127.42	1/2	1,768.47	1/2	1,409.51	1/2	1,050.59	1/2	692.09	1/2	338.97	1/2	32.53	1/2		1/2	
3/4	2,478.90	3/4	2,119.95	3/4	1,760.99	3/4	1,402.03	3/4	1,043.12	3/4	684.61	3/4	331.98	3/4	27.52	3/4		3/4	
3	2,471.43	3	2,112.47	3	1,753.51	3	1,394.55	3	1,035.65	3	677.14	3	325.07	3	24.47	3		3	
1/4	2,463.95	1/4	2,104.99	1/4	1,746.03	1/4	1,387.07	1/4	1,028.19	1/4	669.66	1/4	318.16	1/4	21.42	1/4		1/4	
1/2	2,456.47	1/2	2,097.51	1/2	1,738.55	1/2	1,379.59	1/2	1,020.73	1/2	662.18	1/2	311.25	1/2	18.37	1/2		1/2	
3/4	2,448.99	3/4	2,090.03	3/4	1,731.07	3/4	1,372.12	3/4	1,013.26	3/4	654.70	3/4	304.35	3/4	15.32	3/4		3/4	
4	2,441.51	4	2,082.55	4	1,723.60	4	1,364.64	4	1,005.80	4	647.22	4	297.53	4		4		4	
1/4	2,434.03	1/4	2,075.08	1/4	1,716.12	1/4	1,357.16	1/4	998.33	1/4	639.74	1/4	290.71	1/4		1/4		1/4	
1/2	2,426.56	1/2	2,067.60	1/2	1,708.64	1/2	1,349.68	1/2	990.87	1/2	632.27	1/2	283.89	1/2		1/2		1/2	
3/4	2,419.08	3/4	2,060.12	3/4	1,701.16	3/4	1,342.20	3/4	983.40	3/4	624.79	3/4	277.07	3/4		3/4		3/4	
5	2,411.60	5	2,052.64	5	1,693.68	5	1,334.72	5	975.94	5	617.31	5	270.33	5		5		5	
1/4	2,404.12	1/4	2,045.16	1/4	1,686.20	1/4	1,327.25	1/4	968.48	1/4	609.83	1/4	263.60	1/4		1/4		1/4	
1/2	2,396.64	1/2	2,037.68	1/2	1,678.73	1/2	1,319.77	1/2	961.01	1/2	602.35	1/2	256.87	1/2		1/2		1/2	
3/4	2,389.16	3/4	2,030.21	3/4	1,671.25	3/4	1,312.29	3/4	953.55	3/4	594.87	3/4	250.14	3/4		3/4		3/4	
6	2,381.69	6	2,022.73	6	1,663.77	6	1,304.81	6	946.08	6	587.40	6	243.49	6		6		6	
1/4	2,374.21	1/4	2,015.25	1/4	1,656.29	1/4	1,297.33	1/4	938.62	1/4	579.92	1/4	236.85	1/4		1/4		1/4	
1/2	2,366.73	1/2	2,007.77	1/2	1,648.81	1/2	1,289.85	1/2	931.16	1/2	572.44	1/2	230.21	1/2		1/2		1/2	
3/4	2,359.25	3/4	2,000.29	3/4	1,641.33	3/4	1,282.38	3/4	923.69	3/4	564.96	3/4	223.56	3/4		3/4		3/4	
7	2,351.77	7	1,992.81	7	1,633.86	7	1,274.90	7	916.23	7	557.48	7	217.00	7		7		7	
1/4	2,344.29	1/4	1,985.34	1/4	1,626.38	1/4	1,267.42	1/4	908.76	1/4	550.00	1/4	210.45	1/4		1/4		1/4	
1/2	2,336.82	1/2	1,977.86	1/2	1,618.90	1/2	1,259.94	1/2	901.30	1/2	542.53	1/2	203.89	1/2		1/2		1/2	
3/4	2,329.34	3/4	1,970.38	3/4	1,611.42	3/4	1,252.46	3/4	893.84	3/4	535.05	3/4	197.33	3/4		3/4		3/4	
8	2,321.86	8	1,962.90	8	1,603.94	8	1,244.98	8	886.37	8	527.57	8	190.87	8		8		8	
1/4	2,314.38	1/4	1,955.42	1/4	1,596.46	1/4	1,237.51	1/4	878.91	1/4	520.09	1/4	184.40	1/4		1/4		1/4	
1/2	2,306.90	1/2	1,947.94	1/2	1,588.99	1/2	1,230.03	1/2	871.44	1/2	512.61	1/2	177.93	1/2		1/2		1/2	
3/4	2,299.42	3/4	1,940.47	3/4	1,581.51	3/4	1,222.55	3/4	863.98	3/4	505.13	3/4	171.46	3/4		3/4		3/4	
9	2,291.95	9	1,932.99	9	1,574.03	9	1,215.07	9	856.52	9	497.70	9	165.08	9		9		9	
1/4	2,284.47	1/4	1,925.51	1/4	1,566.55	1/4	1,207.59	1/4	849.05	1/4	490.27	1/4	158.70	1/4		1/4		1/4	
1/2	2,276.99	1/2	1,918.03	1/2	1,559.07	1/2	1,200.11	1/2	841.59	1/2	482.83	1/2	152.32	1/2		1/2		1/2	
3/4	2,269.51	3/4	1,910.55	3/4	1,551.59	3/4	1,192.64	3/4	834.12	3/4	475.40	3/4	145.94	3/4		3/4		3/4	
10	2,262.03	10	1,903.07	10	1,544.12	10	1,185.16	10	826.66	10	468.05	10	139.64	10		10		10	
1/4	2,254.55	1/4	1,895.60	1/4	1,536.64	1/4	1,177.68	1/4	819.19	1/4	460.70	1/4	133.35	1/4		1/4		1/4	
1/2	2,247.08	1/2	1,888.12	1/2	1,529.16	1/2	1,170.20	1/2	811.73	1/2	453.36	1/2	127.06	1/2		1/2		1/2	
3/4	2,239.60	3/4	1,880.64	3/4	1,521.68	3/4	1,162.72	3/4	804.27	3/4	446.01	3/4	120.76	3/4		3/4		3/4	
11	2,232.12	11	1,873.16	11	1,514.20	11	1,155.24	11	796.79	11	438.75	11	114.56	11		11		11	
1/4	2,224.64	1/4	1,865.68	1/4	1,506.72	1/4	1,147.77	1/4	789.31	1/4	431.49	1/4	108.36	1/4		1/4		1/4	
1/2	2,217.16	1/2	1,858.21	1/2	1,499.25	1/2	1,140.29	1/2	781.83	1/2	424.23	1/2	102.15	1/2		1/2		1/2	
3/4	2,209.69	3/4	1,850.73	3/4	1,491.77	3/4	1,132.81	3/4	774.35	3/4	416.98	3/4	95.95	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 10/20/2022 CL
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29131"

2 PORT ULLAGE TABLE

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

FORMERLY "E2MS 301"

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			
0		0		0		0		0	4,766.87	0	4,408.62	0	4,050.35	0	3,691.04	0	3,331.73	0	2,972.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,759.41	1/4	4,401.16	1/4	4,042.87	1/4	3,683.56	1/4	3,324.25	1/4	2,964.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,751.94	1/2	4,393.70	1/2	4,035.38	1/2	3,676.07	1/2	3,316.76	1/2	2,957.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,087.52	3/4	4,744.48	3/4	4,386.23	3/4	4,027.90	3/4	3,668.59	3/4	2,949.97		
1		1		1		1		1	5,082.31	1	4,737.02	1	4,378.77	1	4,020.41	1	3,661.10	1	3,301.79	1	2,942.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,077.09	1/4	4,729.55	1/4	4,371.30	1/4	4,012.92	1/4	3,653.62	1/4	3,294.31	1/4	2,935.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,071.88	1/2	4,722.09	1/2	4,363.84	1/2	4,005.44	1/2	3,646.13	1/2	3,286.82	1/2	2,927.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,066.66	3/4	4,714.63	3/4	4,356.38	3/4	3,997.95	3/4	3,638.64	3/4	3,279.34	3/4	2,920.03
2		2		2		2		2	5,060.20	2	4,707.16	2	4,348.91	2	3,990.47	2	3,631.16	2	3,271.85	2	2,912.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,053.74	1/4	4,699.70	1/4	4,341.45	1/4	3,982.98	1/4	3,623.67	1/4	3,264.36	1/4	2,905.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,047.28	1/2	4,692.24	1/2	4,333.99	1/2	3,975.50	1/2	3,616.19	1/2	3,256.88	1/2	2,897.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,040.82	3/4	4,684.77	3/4	4,326.52	3/4	3,968.01	3/4	3,608.70	3/4	3,249.39	3/4	2,890.08
3		3		3		3		3	5,033.49	3	4,677.31	3	4,319.06	3	3,960.52	3	3,601.22	3	3,241.91	3	2,882.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,026.16	1/4	4,669.84	1/4	4,311.60	1/4	3,953.04	1/4	3,593.73	1/4	3,234.42	1/4	2,875.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,018.84	1/2	4,662.38	1/2	4,304.13	1/2	3,945.55	1/2	3,586.24	1/2	3,226.94	1/2	2,867.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,011.51	3/4	4,654.92	3/4	4,296.67	3/4	3,938.07	3/4	3,578.76	3/4	3,219.45	3/4	2,860.14
4		4		4		4		4	5,004.13	4	4,647.45	4	4,289.21	4	3,930.58	4	3,571.27	4	3,211.96	4	2,852.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,996.74	1/4	4,639.99	1/4	4,281.74	1/4	3,923.10	1/4	3,563.79	1/4	3,204.48	1/4	2,845.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,989.36	1/2	4,632.53	1/2	4,274.28	1/2	3,915.61	1/2	3,556.30	1/2	3,196.99	1/2	2,837.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,981.98	3/4	4,625.06	3/4	4,266.82	3/4	3,908.13	3/4	3,548.82	3/4	3,189.51	3/4	2,830.20
5		5		5		5		5	4,974.58	5	4,617.60	5	4,259.35	5	3,900.64	5	3,541.33	5	3,182.02	5	2,822.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,967.19	1/4	4,610.14	1/4	4,251.89	1/4	3,893.15	1/4	3,533.85	1/4	3,174.54	1/4	2,815.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,959.80	1/2	4,602.67	1/2	4,244.43	1/2	3,885.67	1/2	3,526.36	1/2	3,167.05	1/2	2,807.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,952.40	3/4	4,595.21	3/4	4,236.96	3/4	3,878.18	3/4	3,518.87	3/4	3,159.57	3/4	2,800.26
6		6		6		6		6	4,945.01	6	4,587.75	6	4,229.50	6	3,870.70	6	3,511.39	6	3,152.08	6	2,792.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,937.61	1/4	4,580.28	1/4	4,222.03	1/4	3,863.21	1/4	3,503.90	1/4	3,144.59	1/4	2,785.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,930.21	1/2	4,572.82	1/2	4,214.57	1/2	3,855.73	1/2	3,496.42	1/2	3,137.11	1/2	2,777.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,922.81	3/4	4,565.36	3/4	4,207.11	3/4	3,848.24	3/4	3,488.93	3/4	3,129.62	3/4	2,770.31
7		7		7		7		7	4,915.42	7	4,557.89	7	4,199.64	7	3,840.76	7	3,481.45	7	3,122.14	7	2,762.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,908.02	1/4	4,550.43	1/4	4,192.18	1/4	3,833.27	1/4	3,473.96	1/4	3,114.65	1/4	2,755.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,900.62	1/2	4,542.97	1/2	4,184.72	1/2	3,825.78	1/2	3,466.48	1/2	3,107.17	1/2	2,747.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,893.22	3/4	4,535.50	3/4	4,177.25	3/4	3,818.30	3/4	3,458.99	3/4	3,099.68	3/4	2,740.37
8		8		8		8		8	4,885.82	8	4,528.04	8	4,169.79	8	3,810.81	8	3,451.50	8	3,092.20	8	2,732.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,878.43	1/4	4,520.57	1/4	4,162.33	1/4	3,803.33	1/4	3,444.02	1/4	3,084.71	1/4	2,725.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,871.03	1/2	4,513.11	1/2	4,154.86	1/2	3,795.84	1/2	3,436.53	1/2	3,077.22	1/2	2,717.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,863.63	3/4	4,505.65	3/4	4,147.40	3/4	3,788.36	3/4	3,429.05	3/4	3,069.74	3/4	2,710.43
9		9		9		9		9	4,856.23	9	4,498.18	9	4,139.94	9	3,780.87	9	3,421.56	9	3,062.25	9	2,702.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,848.84	1/4	4,490.72	1/4	4,132.47	1/4	3,773.38	1/4	3,414.08	1/4	3,054.77	1/4	2,695.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,841.44	1/2	4,483.26	1/2	4,125.01	1/2	3,765.90	1/2	3,406.59	1/2	3,047.28	1/2	2,687.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,834.04	3/4	4,475.79	3/4	4,117.55	3/4	3,758.41	3/4	3,399.10	3/4	3,039.80	3/4	2,680.49
10		10		10		10		10	4,826.58	10	4,468.33	10	4,110.08	10	3,750.93	10	3,391.62	10	3,032.31	10	2,673.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,819.11	1/4	4,460.87	1/4	4,102.62	1/4	3,743.44	1/4	3,384.13	1/4	3,024.82	1/4	2,665.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,811.65	1/2	4,453.40	1/2	4,095.16	1/2	3,735.96	1/2	3,376.65	1/2	3,017.34	1/2	2,658.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,804.19	3/4	4,445.94	3/4	4,087.69	3/4	3,728.47	3/4	3,369.16	3/4	3,009.85	3/4	2,650.54
11		11		11		11		11	4,796.72	11	4,438.48	11	4,080.23	11	3,720.99	11	3,361.68	11	3,002.37	11	2,643.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,789.26	1/4	4,431.01	1/4	4,072.76	1/4	3,713.50	1/4	3,354.19	1/4	2,994.88	1/4	2,635.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,781.80	1/2	4,423.55	1/2	4,065.30	1/2	3,706.01	1/2	3,346.71	1/2	2,987.40	1/2	2,628.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,774.33	3/4	4,416.09	3/4	4,057.84	3/4	3,698.53	3/4	3,339.22	3/4	2,979.91	3/4	2,620.60

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29131"

2 PORT ULLAGE TABLE

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

FORMERLY "E2MS 301"

GAUGE HEIGHT 17'-03 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,613.12	0	2,253.81	0	1,894.50	0	1,535.19	0	1,176.16	0	831.06	0	471.76	0	112.46	0		0	
1/4	2,605.63	1/4	2,246.32	1/4	1,887.01	1/4	1,527.70	1/4	1,168.96	1/4	823.58	1/4	464.27	1/4	104.99	1/4		1/4	
1/2	2,598.15	1/2	2,238.84	1/2	1,879.53	1/2	1,520.22	1/2	1,161.76	1/2	816.09	1/2	456.78	1/2	97.51	1/2		1/2	
3/4	2,590.66	3/4	2,231.35	3/4	1,872.04	3/4	1,512.73	3/4	1,154.56	3/4	808.61	3/4	449.30	3/4	90.04	3/4		3/4	
1	2,583.17	1	2,223.87	1	1,864.56	1	1,505.25	1	1,147.37	1	801.12	1	441.81	1	82.59	1		1	
1/4	2,575.69	1/4	2,216.38	1/4	1,857.07	1/4	1,497.76	1/4	1,140.18	1/4	793.64	1/4	434.33	1/4	75.14	1/4		1/4	
1/2	2,568.20	1/2	2,208.89	1/2	1,849.59	1/2	1,490.28	1/2	1,133.00	1/2	786.15	1/2	426.84	1/2	67.69	1/2		1/2	
3/4	2,560.72	3/4	2,201.41	3/4	1,842.10	3/4	1,482.79	3/4	1,125.81	3/4	778.66	3/4	419.36	3/4	60.24	3/4		3/4	
2	2,553.23	2	2,193.92	2	1,834.61	2	1,475.31	2	1,118.62	2	771.18	2	411.87	2	53.69	2		2	
1/4	2,545.75	1/4	2,186.44	1/4	1,827.13	1/4	1,467.82	1/4	1,111.44	1/4	763.69	1/4	404.38	1/4	47.14	1/4		1/4	
1/2	2,538.26	1/2	2,178.95	1/2	1,819.64	1/2	1,460.33	1/2	1,104.25	1/2	756.21	1/2	396.90	1/2	40.60	1/2		1/2	
3/4	2,530.78	3/4	2,171.47	3/4	1,812.16	3/4	1,452.85	3/4	1,097.06	3/4	748.72	3/4	389.41	3/4	34.05	3/4		3/4	
3	2,523.29	3	2,163.98	3	1,804.67	3	1,445.36	3	1,089.88	3	741.24	3	381.93	3	29.37	3		3	
1/4	2,515.80	1/4	2,156.50	1/4	1,797.19	1/4	1,437.88	1/4	1,082.71	1/4	733.75	1/4	374.44	1/4	24.69	1/4		1/4	
1/2	2,508.32	1/2	2,149.01	1/2	1,789.70	1/2	1,430.39	1/2	1,075.53	1/2	726.27	1/2	366.96	1/2	20.01	1/2		1/2	
3/4	2,500.83	3/4	2,141.52	3/4	1,782.22	3/4	1,422.91	3/4	1,068.35	3/4	718.78	3/4	359.47	3/4	15.34	3/4		3/4	
4	2,493.35	4	2,134.04	4	1,774.73	4	1,415.42	4	1,061.17	4	711.29	4	351.99	4		4		4	
1/4	2,485.86	1/4	2,126.55	1/4	1,767.24	1/4	1,407.94	1/4	1,053.99	1/4	703.81	1/4	344.50	1/4		1/4		1/4	
1/2	2,478.38	1/2	2,119.07	1/2	1,759.76	1/2	1,400.45	1/2	1,046.81	1/2	696.32	1/2	337.01	1/2		1/2		1/2	
3/4	2,470.89	3/4	2,111.58	3/4	1,752.27	3/4	1,392.96	3/4	1,039.64	3/4	688.84	3/4	329.53	3/4		3/4		3/4	
5	2,463.40	5	2,104.10	5	1,744.79	5	1,385.48	5	1,032.46	5	681.35	5	322.04	5		5		5	
1/4	2,455.92	1/4	2,096.61	1/4	1,737.30	1/4	1,377.99	1/4	1,025.28	1/4	673.87	1/4	314.56	1/4		1/4		1/4	
1/2	2,448.43	1/2	2,089.12	1/2	1,729.82	1/2	1,370.51	1/2	1,018.10	1/2	666.38	1/2	307.07	1/2		1/2		1/2	
3/4	2,440.95	3/4	2,081.64	3/4	1,722.33	3/4	1,363.02	3/4	1,010.92	3/4	658.90	3/4	299.59	3/4		3/4		3/4	
6	2,433.46	6	2,074.15	6	1,714.84	6	1,355.54	6	1,003.74	6	651.41	6	292.10	6		6		6	
1/4	2,425.98	1/4	2,066.67	1/4	1,707.36	1/4	1,348.05	1/4	996.57	1/4	643.92	1/4	284.62	1/4		1/4		1/4	
1/2	2,418.49	1/2	2,059.18	1/2	1,699.87	1/2	1,340.56	1/2	989.39	1/2	636.44	1/2	277.13	1/2		1/2		1/2	
3/4	2,411.01	3/4	2,051.70	3/4	1,692.39	3/4	1,333.08	3/4	982.21	3/4	628.95	3/4	269.64	3/4		3/4		3/4	
7	2,403.52	7	2,044.21	7	1,684.90	7	1,325.59	7	975.03	7	621.47	7	262.16	7		7		7	
1/4	2,396.03	1/4	2,036.73	1/4	1,677.42	1/4	1,318.11	1/4	967.85	1/4	613.98	1/4	254.67	1/4		1/4		1/4	
1/2	2,388.55	1/2	2,029.24	1/2	1,669.93	1/2	1,310.62	1/2	960.67	1/2	606.50	1/2	247.19	1/2		1/2		1/2	
3/4	2,381.06	3/4	2,021.75	3/4	1,662.45	3/4	1,303.14	3/4	953.49	3/4	599.01	3/4	239.70	3/4		3/4		3/4	
8	2,373.58	8	2,014.27	8	1,654.96	8	1,295.65	8	946.32	8	591.52	8	232.22	8		8		8	
1/4	2,366.09	1/4	2,006.78	1/4	1,647.47	1/4	1,288.17	1/4	939.14	1/4	584.04	1/4	224.73	1/4		1/4		1/4	
1/2	2,358.61	1/2	1,999.30	1/2	1,639.99	1/2	1,280.68	1/2	931.96	1/2	576.55	1/2	217.24	1/2		1/2		1/2	
3/4	2,351.12	3/4	1,991.81	3/4	1,632.50	3/4	1,273.19	3/4	924.78	3/4	569.07	3/4	209.76	3/4		3/4		3/4	
9	2,343.64	9	1,984.33	9	1,625.02	9	1,265.71	9	917.60	9	561.58	9	202.27	9		9		9	
1/4	2,336.15	1/4	1,976.84	1/4	1,617.53	1/4	1,258.22	1/4	910.42	1/4	554.10	1/4	194.79	1/4		1/4		1/4	
1/2	2,328.66	1/2	1,969.36	1/2	1,610.05	1/2	1,250.74	1/2	903.25	1/2	546.61	1/2	187.30	1/2		1/2		1/2	
3/4	2,321.18	3/4	1,961.87	3/4	1,602.56	3/4	1,243.25	3/4	896.07	3/4	539.13	3/4	179.82	3/4		3/4		3/4	
10	2,313.69	10	1,954.38	10	1,595.08	10	1,235.77	10	888.89	10	531.64	10	172.33	10		10		10	
1/4	2,306.21	1/4	1,946.90	1/4	1,587.59	1/4	1,228.28	1/4	881.71	1/4	524.15	1/4	164.85	1/4		1/4		1/4	
1/2	2,298.72	1/2	1,939.41	1/2	1,580.10	1/2	1,220.80	1/2	874.53	1/2	516.67	1/2	157.36	1/2		1/2		1/2	
3/4	2,291.24	3/4	1,931.93	3/4	1,572.62	3/4	1,213.31	3/4	867.35	3/4	509.18	3/4	149.87	3/4		3/4		3/4	
11	2,283.75	11	1,924.44	11	1,565.13	11	1,205.82	11	860.15	11	501.70	11	142.39	11		11		11	
1/4	2,276.26	1/4	1,916.96	1/4	1,557.65	1/4	1,198.34	1/4	852.95	1/4	494.21	1/4	134.91	1/4		1/4		1/4	
1/2	2,268.78	1/2	1,909.47	1/2	1,550.16	1/2	1,190.85	1/2	845.75	1/2	486.73	1/2	127.42	1/2		1/2		1/2	
3/4	2,261.29	3/4	1,901.98	3/4	1,542.68	3/4	1,183.37	3/4	838.55	3/4	479.24	3/4	119.94	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 10/20/2022 CL
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTC 29131"

2 STBD ULLAGE TABLE

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

FORMERLY "E2MS 301"

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	4,782.00	0	4,423.69	0	4,065.37	0	3,706.04	0	3,346.72	0	2,987.39		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,774.53	1/4	4,416.23	1/4	4,057.89	1/4	3,698.56	1/4	3,339.23	1/4	2,979.90		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,767.07	1/2	4,408.77	1/2	4,050.40	1/2	3,691.07	1/2	3,331.74	1/2	2,972.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,102.46	3/4	4,759.60	3/4	4,401.30	3/4	4,042.91	3/4	3,683.59	3/4	3,324.26	3/4	2,964.93
1		1		1		1		1	5,097.25	1	4,752.14	1	4,393.84	1	4,035.43	1	3,676.10	1	3,316.77	1	2,957.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,092.04	1/4	4,744.67	1/4	4,386.37	1/4	4,027.94	1/4	3,668.61	1/4	3,309.29	1/4	2,949.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,086.83	1/2	4,737.21	1/2	4,378.91	1/2	4,020.46	1/2	3,661.13	1/2	3,301.80	1/2	2,942.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,081.63	3/4	4,729.74	3/4	4,371.44	3/4	4,012.97	3/4	3,653.64	3/4	3,294.31	3/4	2,934.99
2		2		2		2		2	5,075.17	2	4,722.28	2	4,363.98	2	4,005.48	2	3,646.16	2	3,286.83	2	2,927.50
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,068.71	1/4	4,714.81	1/4	4,356.51	1/4	3,998.00	1/4	3,638.67	1/4	3,279.34	1/4	2,920.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,062.26	1/2	4,707.35	1/2	4,349.05	1/2	3,990.51	1/2	3,631.18	1/2	3,271.86	1/2	2,912.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,055.80	3/4	4,699.89	3/4	4,341.58	3/4	3,983.03	3/4	3,623.70	3/4	3,264.37	3/4	2,905.04
3		3		3		3		3	5,048.48	3	4,692.42	3	4,334.12	3	3,975.54	3	3,616.21	3	3,256.88	3	2,897.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,041.16	1/4	4,684.96	1/4	4,326.66	1/4	3,968.05	1/4	3,608.73	1/4	3,249.40	1/4	2,890.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,033.83	1/2	4,677.49	1/2	4,319.19	1/2	3,960.57	1/2	3,601.24	1/2	3,241.91	1/2	2,882.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,026.51	3/4	4,670.03	3/4	4,311.73	3/4	3,953.08	3/4	3,593.75	3/4	3,234.43	3/4	2,875.10
4		4		4		4		4	5,019.13	4	4,662.56	4	4,304.26	4	3,945.60	4	3,586.27	4	3,226.94	4	2,867.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,011.75	1/4	4,655.10	1/4	4,296.80	1/4	3,938.11	1/4	3,578.78	1/4	3,219.45	1/4	2,860.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,004.38	1/2	4,647.63	1/2	4,289.33	1/2	3,930.62	1/2	3,571.30	1/2	3,211.97	1/2	2,852.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,997.00	3/4	4,640.17	3/4	4,281.87	3/4	3,923.14	3/4	3,563.81	3/4	3,204.48	3/4	2,845.15
5		5		5		5		5	4,989.61	5	4,632.70	5	4,274.40	5	3,915.65	5	3,556.32	5	3,197.00	5	2,837.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,982.22	1/4	4,625.24	1/4	4,266.94	1/4	3,908.17	1/4	3,548.84	1/4	3,189.51	1/4	2,830.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,974.83	1/2	4,617.77	1/2	4,259.47	1/2	3,900.68	1/2	3,541.35	1/2	3,182.02	1/2	2,822.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,967.43	3/4	4,610.31	3/4	4,252.01	3/4	3,893.19	3/4	3,533.87	3/4	3,174.54	3/4	2,815.21
6		6		6		6		6	4,960.04	6	4,602.85	6	4,244.54	6	3,885.71	6	3,526.38	6	3,167.05	6	2,807.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,952.65	1/4	4,595.38	1/4	4,237.08	1/4	3,878.22	1/4	3,518.89	1/4	3,159.57	1/4	2,800.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,945.26	1/2	4,587.92	1/2	4,229.62	1/2	3,870.74	1/2	3,511.41	1/2	3,152.08	1/2	2,792.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,937.86	3/4	4,580.45	3/4	4,222.15	3/4	3,863.25	3/4	3,503.92	3/4	3,144.59	3/4	2,785.27
7		7		7		7		7	4,930.47	7	4,572.99	7	4,214.69	7	3,855.76	7	3,496.44	7	3,137.11	7	2,777.78
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,923.08	1/4	4,565.52	1/4	4,207.22	1/4	3,848.28	1/4	3,488.95	1/4	3,129.62	1/4	2,770.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,915.69	1/2	4,558.06	1/2	4,199.76	1/2	3,840.79	1/2	3,481.46	1/2	3,122.14	1/2	2,762.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,908.30	3/4	4,550.59	3/4	4,192.29	3/4	3,833.31	3/4	3,473.98	3/4	3,114.65	3/4	2,755.32
8		8		8		8		8	4,900.91	8	4,543.13	8	4,184.83	8	3,825.82	8	3,466.49	8	3,107.16	8	2,747.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,893.52	1/4	4,535.66	1/4	4,177.36	1/4	3,818.33	1/4	3,459.01	1/4	3,099.68	1/4	2,740.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,886.13	1/2	4,528.20	1/2	4,169.90	1/2	3,810.85	1/2	3,451.52	1/2	3,092.19	1/2	2,732.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,878.74	3/4	4,520.73	3/4	4,162.43	3/4	3,803.36	3/4	3,444.03	3/4	3,084.71	3/4	2,725.38
9		9		9		9		9	4,871.35	9	4,513.27	9	4,154.97	9	3,795.88	9	3,436.55	9	3,077.22	9	2,717.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,863.96	1/4	4,505.81	1/4	4,147.50	1/4	3,788.39	1/4	3,429.06	1/4	3,069.73	1/4	2,710.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,856.57	1/2	4,498.34	1/2	4,140.04	1/2	3,780.90	1/2	3,421.58	1/2	3,062.25	1/2	2,702.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,849.18	3/4	4,490.88	3/4	4,132.58	3/4	3,773.42	3/4	3,414.09	3/4	3,054.76	3/4	2,695.43
10		10		10		10		10	4,841.71	10	4,483.41	10	4,125.11	10	3,765.93	10	3,406.60	10	3,047.28	10	2,687.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,834.25	1/4	4,475.95	1/4	4,117.65	1/4	3,758.45	1/4	3,399.12	1/4	3,039.79	1/4	2,680.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,826.78	1/2	4,468.48	1/2	4,110.18	1/2	3,750.96	1/2	3,391.63	1/2	3,032.30	1/2	2,672.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,819.32	3/4	4,461.02	3/4	4,102.72	3/4	3,743.47	3/4	3,384.15	3/4	3,024.82	3/4	2,665.49
11		11		11		11		11	4,811.85	11	4,453.55	11	4,095.25	11	3,735.99	11	3,376.66	11	3,017.33	11	2,658.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,804.39	1/4	4,446.09	1/4	4,087.79	1/4	3,728.50	1/4	3,369.17	1/4	3,009.85	1/4	2,650.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,796.92	1/2	4,438.62	1/2	4,080.32	1/2	3,721.02	1/2	3,361.69	1/2	3,002.36	1/2	2,643.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,789.46	3/4	4,431.16	3/4	4,072.86	3/4	3,713.53	3/4	3,354.20	3/4	2,994.87	3/4	2,635.54

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'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CTC 29131"

2 STBD ULLAGE TABLE

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

FORMERLY "E2MS 301"

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	2,628.05	0	2,268.61	0	1,909.17	0	1,549.73	0	1,190.30	0	831.36	0	471.92	0	112.50	0		0	
1/4	2,620.56	1/4	2,261.12	1/4	1,901.68	1/4	1,542.25	1/4	1,182.81	1/4	823.87	1/4	464.44	1/4	105.02	1/4		1/4	
1/2	2,613.07	1/2	2,253.63	1/2	1,894.20	1/2	1,534.76	1/2	1,175.32	1/2	816.39	1/2	456.95	1/2	97.55	1/2		1/2	
3/4	2,605.58	3/4	2,246.15	3/4	1,886.71	3/4	1,527.27	3/4	1,167.83	3/4	808.90	3/4	449.46	3/4	90.07	3/4		3/4	
1	2,598.10	1	2,238.66	1	1,879.22	1	1,519.78	1	1,160.35	1	801.41	1	441.97	1	82.62	1		1	
1/4	2,590.61	1/4	2,231.17	1/4	1,871.73	1/4	1,512.29	1/4	1,152.87	1/4	793.92	1/4	434.48	1/4	75.17	1/4		1/4	
1/2	2,583.12	1/2	2,223.68	1/2	1,864.24	1/2	1,504.80	1/2	1,145.38	1/2	786.43	1/2	426.99	1/2	67.71	1/2		1/2	
3/4	2,575.63	3/4	2,216.19	3/4	1,856.75	3/4	1,497.32	3/4	1,137.90	3/4	778.94	3/4	419.51	3/4	60.26	3/4		3/4	
2	2,568.14	2	2,208.70	2	1,849.27	2	1,489.83	2	1,130.42	2	771.46	2	412.02	2	53.71	2		2	
1/4	2,560.65	1/4	2,201.22	1/4	1,841.78	1/4	1,482.34	1/4	1,122.93	1/4	763.97	1/4	404.53	1/4	47.16	1/4		1/4	
1/2	2,553.17	1/2	2,193.73	1/2	1,834.29	1/2	1,474.85	1/2	1,115.45	1/2	756.48	1/2	397.04	1/2	40.61	1/2		1/2	
3/4	2,545.68	3/4	2,186.24	3/4	1,826.80	3/4	1,467.36	3/4	1,107.97	3/4	748.99	3/4	389.55	3/4	34.06	3/4		3/4	
3	2,538.19	3	2,178.75	3	1,819.31	3	1,459.87	3	1,100.50	3	741.50	3	382.06	3	29.38	3		3	
1/4	2,530.70	1/4	2,171.26	1/4	1,811.82	1/4	1,452.39	1/4	1,093.02	1/4	734.02	1/4	374.58	1/4	24.70	1/4		1/4	
1/2	2,523.21	1/2	2,163.77	1/2	1,804.34	1/2	1,444.90	1/2	1,085.55	1/2	726.53	1/2	367.09	1/2	20.02	1/2		1/2	
3/4	2,515.72	3/4	2,156.29	3/4	1,796.85	3/4	1,437.41	3/4	1,078.07	3/4	719.04	3/4	359.60	3/4	15.34	3/4		3/4	
4	2,508.24	4	2,148.80	4	1,789.36	4	1,429.92	4	1,070.60	4	711.55	4	352.11	4		4		4	
1/4	2,500.75	1/4	2,141.31	1/4	1,781.87	1/4	1,422.43	1/4	1,063.13	1/4	704.06	1/4	344.62	1/4		1/4		1/4	
1/2	2,493.26	1/2	2,133.82	1/2	1,774.38	1/2	1,414.94	1/2	1,055.65	1/2	696.57	1/2	337.14	1/2		1/2		1/2	
3/4	2,485.77	3/4	2,126.33	3/4	1,766.89	3/4	1,407.46	3/4	1,048.18	3/4	689.09	3/4	329.65	3/4		3/4		3/4	
5	2,478.28	5	2,118.84	5	1,759.41	5	1,399.97	5	1,040.70	5	681.60	5	322.16	5		5		5	
1/4	2,470.80	1/4	2,111.36	1/4	1,751.92	1/4	1,392.48	1/4	1,033.23	1/4	674.11	1/4	314.67	1/4		1/4		1/4	
1/2	2,463.31	1/2	2,103.87	1/2	1,744.43	1/2	1,384.99	1/2	1,025.76	1/2	666.62	1/2	307.18	1/2		1/2		1/2	
3/4	2,455.82	3/4	2,096.38	3/4	1,736.94	3/4	1,377.50	3/4	1,018.28	3/4	659.13	3/4	299.69	3/4		3/4		3/4	
6	2,448.33	6	2,088.89	6	1,729.45	6	1,370.01	6	1,010.81	6	651.64	6	292.21	6		6		6	
1/4	2,440.84	1/4	2,081.40	1/4	1,721.97	1/4	1,362.53	1/4	1,003.33	1/4	644.16	1/4	284.72	1/4		1/4		1/4	
1/2	2,433.35	1/2	2,073.92	1/2	1,714.48	1/2	1,355.04	1/2	995.86	1/2	636.67	1/2	277.23	1/2		1/2		1/2	
3/4	2,425.87	3/4	2,066.43	3/4	1,706.99	3/4	1,347.55	3/4	988.39	3/4	629.18	3/4	269.74	3/4		3/4		3/4	
7	2,418.38	7	2,058.94	7	1,699.50	7	1,340.06	7	980.91	7	621.69	7	262.25	7		7		7	
1/4	2,410.89	1/4	2,051.45	1/4	1,692.01	1/4	1,332.57	1/4	973.44	1/4	614.20	1/4	254.76	1/4		1/4		1/4	
1/2	2,403.40	1/2	2,043.96	1/2	1,684.52	1/2	1,325.09	1/2	965.97	1/2	606.71	1/2	247.28	1/2		1/2		1/2	
3/4	2,395.91	3/4	2,036.47	3/4	1,677.04	3/4	1,317.60	3/4	958.49	3/4	599.23	3/4	239.79	3/4		3/4		3/4	
8	2,388.42	8	2,028.99	8	1,669.55	8	1,310.11	8	951.02	8	591.74	8	232.30	8		8		8	
1/4	2,380.94	1/4	2,021.50	1/4	1,662.06	1/4	1,302.62	1/4	943.54	1/4	584.25	1/4	224.81	1/4		1/4		1/4	
1/2	2,373.45	1/2	2,014.01	1/2	1,654.57	1/2	1,295.13	1/2	936.07	1/2	576.76	1/2	217.32	1/2		1/2		1/2	
3/4	2,365.96	3/4	2,006.52	3/4	1,647.08	3/4	1,287.64	3/4	928.60	3/4	569.27	3/4	209.83	3/4		3/4		3/4	
9	2,358.47	9	1,999.03	9	1,639.59	9	1,280.16	9	921.12	9	561.78	9	202.35	9		9		9	
1/4	2,350.98	1/4	1,991.54	1/4	1,632.11	1/4	1,272.67	1/4	913.65	1/4	554.30	1/4	194.86	1/4		1/4		1/4	
1/2	2,343.49	1/2	1,984.06	1/2	1,624.62	1/2	1,265.18	1/2	906.17	1/2	546.81	1/2	187.37	1/2		1/2		1/2	
3/4	2,336.01	3/4	1,976.57	3/4	1,617.13	3/4	1,257.69	3/4	898.70	3/4	539.32	3/4	179.88	3/4		3/4		3/4	
10	2,328.52	10	1,969.08	10	1,609.64	10	1,250.20	10	891.23	10	531.83	10	172.39	10		10		10	
1/4	2,321.03	1/4	1,961.59	1/4	1,602.15	1/4	1,242.71	1/4	883.75	1/4	524.34	1/4	164.90	1/4		1/4		1/4	
1/2	2,313.54	1/2	1,954.10	1/2	1,594.66	1/2	1,235.23	1/2	876.28	1/2	516.85	1/2	157.42	1/2		1/2		1/2	
3/4	2,306.05	3/4	1,946.61	3/4	1,587.18	3/4	1,227.74	3/4	868.80	3/4	509.37	3/4	149.93	3/4		3/4		3/4	
11	2,298.56	11	1,939.13	11	1,579.69	11	1,220.25	11	861.32	11	501.88	11	142.44	11		11		11	
1/4	2,291.08	1/4	1,931.64	1/4	1,572.20	1/4	1,212.76	1/4	853.83	1/4	494.39	1/4	134.95	1/4		1/4		1/4	
1/2	2,283.59	1/2	1,924.15	1/2	1,564.71	1/2	1,205.27	1/2	846.34	1/2	486.90	1/2	127.47	1/2		1/2		1/2	
3/4	2,276.10	3/4	1,916.66	3/4	1,557.22	3/4	1,197.78	3/4	838.85	3/4	479.41	3/4	119.98	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 10/20/2022 CL
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTC 29131"

3 PORT ULLAGE TABLE

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

FORMERLY "E2MS 301"

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	4,260.10	0	4,040.72	0	3,821.32	0	3,601.34	0	3,308.14	0	2,951.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,255.53	1/4	4,036.15	1/4	3,816.74	1/4	3,596.75	1/4	3,300.73	1/4	2,943.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,460.89	1/2	4,250.96	1/2	4,031.58	1/2	3,812.16	1/2	3,592.17	1/2	3,293.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,457.70	3/4	4,246.39	3/4	4,027.01	3/4	3,807.57	3/4	3,587.59	3/4	3,292.03
1		1		1		1		1	4,454.51	1	4,241.82	1	4,022.44	1	3,802.99	1	3,583.01	1	3,278.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,451.32	1/4	4,237.24	1/4	4,017.87	1/4	3,798.41	1/4	3,578.42	1/4	3,271.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,448.13	1/2	4,232.67	1/2	4,013.30	1/2	3,793.82	1/2	3,573.84	1/2	3,263.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,444.18	3/4	4,228.10	3/4	4,008.73	3/4	3,789.24	3/4	3,569.26	3/4	3,256.25
2		2		2		2		2	4,440.23	2	4,223.53	2	4,004.16	2	3,784.66	2	3,564.67	2	3,248.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,436.27	1/4	4,218.96	1/4	3,999.59	1/4	3,780.08	1/4	3,560.09	1/4	3,241.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,432.32	1/2	4,214.39	1/2	3,995.02	1/2	3,775.49	1/2	3,555.51	1/2	3,234.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,427.84	3/4	4,209.82	3/4	3,990.45	3/4	3,770.91	3/4	3,550.68	3/4	3,226.60
3		3		3		3		3	4,423.35	3	4,205.25	3	3,985.88	3	3,766.33	3	3,545.86	3	3,219.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,418.87	1/4	4,200.68	1/4	3,981.31	1/4	3,761.74	1/4	3,541.04	1/4	3,211.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,414.39	1/2	4,196.11	1/2	3,976.74	1/2	3,757.16	1/2	3,536.22	1/2	3,204.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,409.87	3/4	4,191.54	3/4	3,972.17	3/4	3,752.58	3/4	3,530.95	3/4	3,196.92
4		4		4		4		4	4,405.35	4	4,186.97	4	3,967.60	4	3,747.99	4	3,525.68	4	3,189.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,400.84	1/4	4,182.40	1/4	3,963.03	1/4	3,743.41	1/4	3,520.42	1/4	3,182.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,396.32	1/2	4,177.83	1/2	3,958.46	1/2	3,738.83	1/2	3,515.15	1/2	3,174.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,391.79	3/4	4,173.26	3/4	3,953.89	3/4	3,734.24	3/4	3,509.40	3/4	3,167.16
5		5		5		5		5	4,387.27	5	4,168.69	5	3,949.32	5	3,729.66	5	3,503.66	5	3,159.71
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,382.74	1/4	4,164.12	1/4	3,944.75	1/4	3,725.08	1/4	3,497.91	1/4	3,152.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,378.21	1/2	4,159.55	1/2	3,940.18	1/2	3,720.50	1/2	3,492.17	1/2	3,144.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,373.69	3/4	4,154.98	3/4	3,935.60	3/4	3,715.91	3/4	3,485.95	3/4	3,137.39
6		6		6		6		6	4,369.16	6	4,150.41	6	3,931.03	6	3,711.33	6	3,479.74	6	3,129.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,364.63	1/4	4,145.84	1/4	3,926.46	1/4	3,706.75	1/4	3,473.52	1/4	3,122.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,360.11	1/2	4,141.27	1/2	3,921.89	1/2	3,702.16	1/2	3,467.31	1/2	3,115.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,355.58	3/4	4,136.70	3/4	3,917.32	3/4	3,697.58	3/4	3,460.61	3/4	3,107.63
7		7		7		7		7	4,351.06	7	4,132.13	7	3,912.75	7	3,693.00	7	3,453.92	7	3,100.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,346.53	1/4	4,127.56	1/4	3,908.18	1/4	3,688.41	1/4	3,447.23	1/4	3,092.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,342.00	1/2	4,122.99	1/2	3,903.61	1/2	3,683.83	1/2	3,440.54	1/2	3,085.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,337.48	3/4	4,118.42	3/4	3,899.04	3/4	3,679.25	3/4	3,433.36	3/4	3,077.86
8		8		8		8		8	4,332.95	8	4,113.85	8	3,894.47	8	3,674.67	8	3,426.19	8	3,070.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,328.43	1/4	4,109.28	1/4	3,889.90	1/4	3,670.08	1/4	3,419.02	1/4	3,062.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,323.90	1/2	4,104.71	1/2	3,885.33	1/2	3,665.50	1/2	3,411.85	1/2	3,055.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,319.38	3/4	4,100.14	3/4	3,880.76	3/4	3,660.92	3/4	3,404.45	3/4	3,048.10
9		9		9		9		9	4,314.85	9	4,095.57	9	3,876.19	9	3,656.33	9	3,397.05	9	3,040.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,310.32	1/4	4,091.00	1/4	3,871.62	1/4	3,651.75	1/4	3,389.65	1/4	3,033.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,305.80	1/2	4,086.42	1/2	3,867.05	1/2	3,647.17	1/2	3,382.25	1/2	3,025.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,301.23	3/4	4,081.85	3/4	3,862.48	3/4	3,642.58	3/4	3,374.84	3/4	3,018.33
10		10		10		10		10	4,296.66	10	4,077.28	10	3,857.91	10	3,638.00	10	3,367.43	10	3,010.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,292.09	1/4	4,072.71	1/4	3,853.34	1/4	3,633.42	1/4	3,360.02	1/4	3,003.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,287.52	1/2	4,068.14	1/2	3,848.77	1/2	3,628.84	1/2	3,352.62	1/2	2,996.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,282.95	3/4	4,063.57	3/4	3,844.20	3/4	3,624.25	3/4	3,345.20	3/4	2,988.57
11		11		11		11		11	4,278.38	11	4,059.00	11	3,839.63	11	3,619.67	11	3,337.79	11	2,981.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,273.81	1/4	4,054.43	1/4	3,835.06	1/4	3,615.09	1/4	3,330.38	1/4	2,973.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,269.24	1/2	4,049.86	1/2	3,830.49	1/2	3,610.50	1/2	3,322.97	1/2	2,966.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,264.67	3/4	4,045.29	3/4	3,825.91	3/4	3,605.92	3/4	3,315.55	3/4	2,958.80

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 29131"

3 PORT ULLAGE TABLE

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

FORMERLY "E2MS 301"

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	2,594.17	0	2,236.73	0	1,879.77	0	1,522.49	0	1,165.33	0	820.49	0	462.81	0	104.72	0		0	
1/4	2,586.73	1/4	2,229.28	1/4	1,872.33	1/4	1,515.04	1/4	1,158.09	1/4	813.10	1/4	455.35	1/4	97.26	1/4		1/4	
1/2	2,579.28	1/2	2,221.83	1/2	1,864.90	1/2	1,507.59	1/2	1,150.85	1/2	805.71	1/2	447.90	1/2	89.81	1/2		1/2	
3/4	2,571.84	3/4	2,214.39	3/4	1,857.47	3/4	1,500.14	3/4	1,143.62	3/4	798.25	3/4	440.44	3/4	82.38	3/4		3/4	
1	2,564.40	1	2,206.94	1	1,850.03	1	1,492.69	1	1,136.39	1	790.80	1	432.99	1	74.95	1		1	
1/4	2,556.96	1/4	2,199.50	1/4	1,842.60	1/4	1,485.24	1/4	1,129.17	1/4	783.35	1/4	425.53	1/4	67.52	1/4		1/4	
1/2	2,549.51	1/2	2,192.05	1/2	1,835.17	1/2	1,477.79	1/2	1,121.94	1/2	775.89	1/2	418.08	1/2	60.09	1/2		1/2	
3/4	2,542.07	3/4	2,184.60	3/4	1,827.74	3/4	1,470.34	3/4	1,114.71	3/4	768.44	3/4	410.63	3/4	53.56	3/4		3/4	
2	2,534.63	2	2,177.16	2	1,820.30	2	1,462.90	2	1,107.48	2	760.98	2	403.17	2	47.03	2		2	
1/4	2,527.19	1/4	2,169.71	1/4	1,812.87	1/4	1,455.45	1/4	1,100.26	1/4	753.53	1/4	395.72	1/4	40.50	1/4		1/4	
1/2	2,519.74	1/2	2,162.27	1/2	1,805.44	1/2	1,448.00	1/2	1,093.03	1/2	746.07	1/2	388.26	1/2	33.96	1/2		1/2	
3/4	2,512.30	3/4	2,154.82	3/4	1,798.00	3/4	1,440.55	3/4	1,085.87	3/4	738.62	3/4	380.81	3/4	29.30	3/4		3/4	
3	2,504.86	3	2,147.37	3	1,790.57	3	1,433.10	3	1,078.71	3	731.16	3	373.35	3	24.63	3		3	
1/4	2,497.42	1/4	2,139.93	1/4	1,783.14	1/4	1,425.65	1/4	1,071.56	1/4	723.71	1/4	365.90	1/4	19.97	1/4		1/4	
1/2	2,489.97	1/2	2,132.48	1/2	1,775.70	1/2	1,418.20	1/2	1,064.40	1/2	716.26	1/2	358.44	1/2	15.30	1/2		1/2	
3/4	2,482.53	3/4	2,125.04	3/4	1,768.27	3/4	1,410.75	3/4	1,057.24	3/4	708.80	3/4	350.99	3/4		3/4		3/4	
4	2,475.09	4	2,117.59	4	1,760.84	4	1,403.30	4	1,050.08	4	701.35	4	343.54	4		4		4	
1/4	2,467.65	1/4	2,110.14	1/4	1,753.41	1/4	1,395.85	1/4	1,042.93	1/4	693.89	1/4	336.08	1/4		1/4		1/4	
1/2	2,460.20	1/2	2,102.70	1/2	1,745.97	1/2	1,388.40	1/2	1,035.77	1/2	686.44	1/2	328.63	1/2		1/2		1/2	
3/4	2,452.76	3/4	2,095.27	3/4	1,738.52	3/4	1,380.95	3/4	1,028.61	3/4	678.98	3/4	321.17	3/4		3/4		3/4	
5	2,445.32	5	2,087.85	5	1,731.07	5	1,373.50	5	1,021.45	5	671.53	5	313.72	5		5		5	
1/4	2,437.88	1/4	2,080.42	1/4	1,723.62	1/4	1,366.05	1/4	1,014.30	1/4	664.07	1/4	306.26	1/4		1/4		1/4	
1/2	2,430.43	1/2	2,073.00	1/2	1,716.17	1/2	1,358.60	1/2	1,007.14	1/2	656.62	1/2	298.81	1/2		1/2		1/2	
3/4	2,422.98	3/4	2,065.57	3/4	1,708.73	3/4	1,351.15	3/4	999.98	3/4	649.17	3/4	291.34	3/4		3/4		3/4	
6	2,415.53	6	2,058.14	6	1,701.28	6	1,343.70	6	992.82	6	641.71	6	283.88	6		6		6	
1/4	2,408.08	1/4	2,050.72	1/4	1,693.83	1/4	1,336.26	1/4	985.67	1/4	634.26	1/4	276.41	1/4		1/4		1/4	
1/2	2,400.63	1/2	2,043.29	1/2	1,686.38	1/2	1,328.81	1/2	978.51	1/2	626.80	1/2	268.95	1/2		1/2		1/2	
3/4	2,393.18	3/4	2,035.86	3/4	1,678.93	3/4	1,321.36	3/4	971.35	3/4	619.35	3/4	261.48	3/4		3/4		3/4	
7	2,385.72	7	2,028.43	7	1,671.48	7	1,313.91	7	964.19	7	611.89	7	254.01	7		7		7	
1/4	2,378.27	1/4	2,020.99	1/4	1,664.03	1/4	1,306.46	1/4	957.04	1/4	604.44	1/4	246.55	1/4		1/4		1/4	
1/2	2,370.82	1/2	2,013.56	1/2	1,656.58	1/2	1,299.01	1/2	949.88	1/2	596.99	1/2	239.08	1/2		1/2		1/2	
3/4	2,363.37	3/4	2,006.13	3/4	1,649.13	3/4	1,291.56	3/4	942.72	3/4	589.53	3/4	231.62	3/4		3/4		3/4	
8	2,355.92	8	1,998.69	8	1,641.68	8	1,284.11	8	935.57	8	582.08	8	224.15	8		8		8	
1/4	2,348.47	1/4	1,991.26	1/4	1,634.23	1/4	1,276.66	1/4	928.41	1/4	574.62	1/4	216.68	1/4		1/4		1/4	
1/2	2,341.01	1/2	1,983.83	1/2	1,626.78	1/2	1,269.21	1/2	921.25	1/2	567.17	1/2	209.22	1/2		1/2		1/2	
3/4	2,333.56	3/4	1,976.40	3/4	1,619.33	3/4	1,261.76	3/4	914.09	3/4	559.71	3/4	201.75	3/4		3/4		3/4	
9	2,326.11	9	1,968.96	9	1,611.88	9	1,254.31	9	906.94	9	552.26	9	194.29	9		9		9	
1/4	2,318.66	1/4	1,961.53	1/4	1,604.43	1/4	1,246.86	1/4	899.78	1/4	544.80	1/4	186.82	1/4		1/4		1/4	
1/2	2,311.21	1/2	1,954.10	1/2	1,596.98	1/2	1,239.41	1/2	892.62	1/2	537.35	1/2	179.35	1/2		1/2		1/2	
3/4	2,303.76	3/4	1,946.66	3/4	1,589.54	3/4	1,231.96	3/4	885.46	3/4	529.90	3/4	171.89	3/4		3/4		3/4	
10	2,296.31	10	1,939.23	10	1,582.09	10	1,224.51	10	878.31	10	522.44	10	164.42	10		10		10	
1/4	2,288.85	1/4	1,931.80	1/4	1,574.64	1/4	1,217.07	1/4	871.15	1/4	514.99	1/4	156.96	1/4		1/4		1/4	
1/2	2,281.40	1/2	1,924.36	1/2	1,567.19	1/2	1,209.62	1/2	863.99	1/2	507.53	1/2	149.49	1/2		1/2		1/2	
3/4	2,273.96	3/4	1,916.93	3/4	1,559.74	3/4	1,202.17	3/4	856.81	3/4	500.08	3/4	142.02	3/4		3/4		3/4	
11	2,266.51	11	1,909.50	11	1,552.29	11	1,194.72	11	849.63	11	492.62	11	134.56	11		11		11	
1/4	2,259.06	1/4	1,902.07	1/4	1,544.84	1/4	1,187.27	1/4	842.45	1/4	485.17	1/4	127.10	1/4		1/4		1/4	
1/2	2,251.62	1/2	1,894.63	1/2	1,537.39	1/2	1,179.82	1/2	835.27	1/2	477.71	1/2	119.63	1/2		1/2		1/2	
3/4	2,244.17	3/4	1,887.20	3/4	1,529.94	3/4	1,172.58	3/4	827.88	3/4	470.26	3/4	112.17	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 10/20/2022 CL
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "CTC 29131"

3 STBD ULLAGE TABLE

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

FORMERLY "E2MS 301"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	4,277.28	0	4,058.03	0	3,838.76	0	3,618.90	0	3,325.54	0	2,968.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,272.71	1/4	4,053.46	1/4	3,834.17	1/4	3,614.32	1/4	3,318.11	1/4	2,960.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,477.94	1/2	4,268.14	1/2	4,048.89	1/2	3,829.59	1/2	3,609.74	1/2	3,310.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,474.75	3/4	4,263.58	3/4	4,044.33	3/4	3,825.01	3/4	3,605.16	3/4	3,307.27
1		1		1		1		1	4,471.57	1	4,259.01	1	4,039.76	1	3,820.43	1	3,600.58	1	3,295.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,468.38	1/4	4,254.44	1/4	4,035.19	1/4	3,815.85	1/4	3,596.00	1/4	3,288.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,465.19	1/2	4,249.87	1/2	4,030.62	1/2	3,811.27	1/2	3,591.42	1/2	3,281.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,461.24	3/4	4,245.31	3/4	4,026.06	3/4	3,806.69	3/4	3,586.84	3/4	3,273.58
2		2		2		2		2	4,457.29	2	4,240.74	2	4,021.49	2	3,802.11	2	3,582.26	2	3,266.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,453.34	1/4	4,236.17	1/4	4,016.92	1/4	3,797.53	1/4	3,577.68	1/4	3,258.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,449.39	1/2	4,231.60	1/2	4,012.35	1/2	3,792.95	1/2	3,573.10	1/2	3,251.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,444.91	3/4	4,227.03	3/4	4,007.79	3/4	3,788.37	3/4	3,568.28	3/4	3,243.90
3		3		3		3		3	4,440.43	3	4,222.47	3	4,003.22	3	3,783.79	3	3,563.46	3	3,236.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,435.95	1/4	4,217.90	1/4	3,998.65	1/4	3,779.21	1/4	3,558.64	1/4	3,229.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,431.47	1/2	4,213.33	1/2	3,994.08	1/2	3,774.63	1/2	3,553.82	1/2	3,221.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,426.95	3/4	4,208.76	3/4	3,989.51	3/4	3,770.05	3/4	3,548.55	3/4	3,214.18
4		4		4		4		4	4,422.44	4	4,204.20	4	3,984.95	4	3,765.47	4	3,543.29	4	3,206.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,417.92	1/4	4,199.63	1/4	3,980.38	1/4	3,760.89	1/4	3,538.03	1/4	3,199.28
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,413.41	1/2	4,195.06	1/2	3,975.81	1/2	3,756.31	1/2	3,532.77	1/2	3,191.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,408.88	3/4	4,190.49	3/4	3,971.24	3/4	3,751.73	3/4	3,527.02	3/4	3,184.38
5		5		5		5		5	4,404.36	5	4,185.93	5	3,966.68	5	3,747.15	5	3,521.28	5	3,176.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,399.84	1/4	4,181.36	1/4	3,962.11	1/4	3,742.57	1/4	3,515.54	1/4	3,169.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,395.32	1/2	4,176.79	1/2	3,957.54	1/2	3,737.99	1/2	3,509.80	1/2	3,162.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,390.79	3/4	4,172.22	3/4	3,952.97	3/4	3,733.41	3/4	3,503.57	3/4	3,154.58
6		6		6		6		6	4,386.27	6	4,167.65	6	3,948.41	6	3,728.83	6	3,497.35	6	3,147.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,381.75	1/4	4,163.09	1/4	3,943.84	1/4	3,724.25	1/4	3,491.13	1/4	3,139.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,377.22	1/2	4,158.52	1/2	3,939.27	1/2	3,719.67	1/2	3,484.91	1/2	3,132.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,372.70	3/4	4,153.95	3/4	3,934.70	3/4	3,715.09	3/4	3,478.20	3/4	3,124.78
7		7		7		7		7	4,368.18	7	4,149.38	7	3,930.13	7	3,710.51	7	3,471.50	7	3,117.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,363.66	1/4	4,144.82	1/4	3,925.57	1/4	3,705.93	1/4	3,464.80	1/4	3,109.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,359.13	1/2	4,140.25	1/2	3,921.00	1/2	3,701.35	1/2	3,458.10	1/2	3,102.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.61	3/4	4,135.68	3/4	3,916.43	3/4	3,696.77	3/4	3,450.92	3/4	3,094.97
8		8		8		8		8	4,350.09	8	4,131.11	8	3,911.86	8	3,692.19	8	3,443.74	8	3,087.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,345.57	1/4	4,126.55	1/4	3,907.30	1/4	3,687.61	1/4	3,436.55	1/4	3,080.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,341.05	1/2	4,121.98	1/2	3,902.73	1/2	3,683.02	1/2	3,429.37	1/2	3,072.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,336.52	3/4	4,117.41	3/4	3,898.16	3/4	3,678.44	3/4	3,421.96	3/4	3,065.17
9		9		9		9		9	4,332.00	9	4,112.84	9	3,893.59	9	3,673.86	9	3,414.56	9	3,057.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,327.48	1/4	4,108.27	1/4	3,889.02	1/4	3,669.28	1/4	3,407.15	1/4	3,050.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,322.96	1/2	4,103.71	1/2	3,884.46	1/2	3,664.70	1/2	3,399.74	1/2	3,042.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,318.39	3/4	4,099.14	3/4	3,879.89	3/4	3,660.12	3/4	3,392.32	3/4	3,035.37
10		10		10		10		10	4,313.82	10	4,094.57	10	3,875.32	10	3,655.54	10	3,384.90	10	3,027.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,309.25	1/4	4,090.00	1/4	3,870.75	1/4	3,650.96	1/4	3,377.48	1/4	3,020.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,304.69	1/2	4,085.44	1/2	3,866.19	1/2	3,646.38	1/2	3,370.07	1/2	3,013.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,300.12	3/4	4,080.87	3/4	3,861.62	3/4	3,641.80	3/4	3,362.64	3/4	3,005.57
11		11		11		11		11	4,295.55	11	4,076.30	11	3,857.05	11	3,637.22	11	3,355.22	11	2,998.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,290.98	1/4	4,071.73	1/4	3,852.48	1/4	3,632.64	1/4	3,347.80	1/4	2,990.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,286.41	1/2	4,067.17	1/2	3,847.92	1/2	3,628.06	1/2	3,340.38	1/2	2,983.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,281.85	3/4	4,062.60	3/4	3,843.34	3/4	3,623.48	3/4	3,332.96	3/4	2,975.77

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 29131"

3 STBD ULLAGE TABLE

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

FORMERLY "E2MS 301"

GAUGE HEIGHT 17'-03 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,610.68	0	2,252.77	0	1,894.66	0	1,536.54	0	1,178.43	0	820.82	0	462.72	0	104.64	0		0	
1/4	2,603.23	1/4	2,245.31	1/4	1,887.20	1/4	1,529.08	1/4	1,170.97	1/4	813.36	1/4	455.26	1/4	97.19	1/4		1/4	
1/2	2,595.78	1/2	2,237.85	1/2	1,879.74	1/2	1,521.62	1/2	1,163.51	1/2	805.90	1/2	447.80	1/2	89.74	1/2		1/2	
3/4	2,588.33	3/4	2,230.39	3/4	1,872.28	3/4	1,514.16	3/4	1,156.05	3/4	798.44	3/4	440.34	3/4	82.32	3/4		3/4	
1	2,580.88	1	2,222.93	1	1,864.81	1	1,506.70	1	1,148.60	1	790.98	1	432.88	1	74.89	1		1	
1/4	2,573.43	1/4	2,215.47	1/4	1,857.35	1/4	1,499.24	1/4	1,141.14	1/4	783.52	1/4	425.42	1/4	67.47	1/4		1/4	
1/2	2,565.97	1/2	2,208.01	1/2	1,849.89	1/2	1,491.78	1/2	1,133.69	1/2	776.06	1/2	417.96	1/2	60.05	1/2		1/2	
3/4	2,558.52	3/4	2,200.55	3/4	1,842.43	3/4	1,484.32	3/4	1,126.23	3/4	768.60	3/4	410.50	3/4	53.52	3/4		3/4	
2	2,551.07	2	2,193.09	2	1,834.97	2	1,476.86	2	1,118.78	2	761.14	2	403.04	2	46.99	2		2	
1/4	2,543.62	1/4	2,185.62	1/4	1,827.51	1/4	1,469.40	1/4	1,111.32	1/4	753.68	1/4	395.58	1/4	40.47	1/4		1/4	
1/2	2,536.17	1/2	2,178.16	1/2	1,820.05	1/2	1,461.94	1/2	1,103.87	1/2	746.22	1/2	388.12	1/2	33.94	1/2		1/2	
3/4	2,528.72	3/4	2,170.70	3/4	1,812.59	3/4	1,454.48	3/4	1,096.42	3/4	738.76	3/4	380.65	3/4	29.28	3/4		3/4	
3	2,521.27	3	2,163.24	3	1,805.13	3	1,447.02	3	1,088.97	3	731.30	3	373.19	3	24.61	3		3	
1/4	2,513.81	1/4	2,155.78	1/4	1,797.67	1/4	1,439.55	1/4	1,081.53	1/4	723.84	1/4	365.73	1/4	19.95	1/4		1/4	
1/2	2,506.36	1/2	2,148.32	1/2	1,790.21	1/2	1,432.09	1/2	1,074.08	1/2	716.38	1/2	358.27	1/2	15.29	1/2		1/2	
3/4	2,498.91	3/4	2,140.86	3/4	1,782.75	3/4	1,424.63	3/4	1,066.63	3/4	708.92	3/4	350.81	3/4		3/4		3/4	
4	2,491.46	4	2,133.40	4	1,775.29	4	1,417.17	4	1,059.19	4	701.46	4	343.35	4		4		4	
1/4	2,484.01	1/4	2,125.94	1/4	1,767.83	1/4	1,409.71	1/4	1,051.74	1/4	694.00	1/4	335.89	1/4		1/4		1/4	
1/2	2,476.56	1/2	2,118.48	1/2	1,760.36	1/2	1,402.25	1/2	1,044.30	1/2	686.54	1/2	328.43	1/2		1/2		1/2	
3/4	2,469.10	3/4	2,111.02	3/4	1,752.90	3/4	1,394.79	3/4	1,036.85	3/4	679.07	3/4	320.97	3/4		3/4		3/4	
5	2,461.65	5	2,103.56	5	1,745.44	5	1,387.33	5	1,029.40	5	671.61	5	313.51	5		5		5	
1/4	2,454.20	1/4	2,096.10	1/4	1,737.98	1/4	1,379.87	1/4	1,021.96	1/4	664.15	1/4	306.05	1/4		1/4		1/4	
1/2	2,446.75	1/2	2,088.64	1/2	1,730.52	1/2	1,372.41	1/2	1,014.51	1/2	656.69	1/2	298.59	1/2		1/2		1/2	
3/4	2,439.29	3/4	2,081.17	3/4	1,723.06	3/4	1,364.95	3/4	1,007.07	3/4	649.23	3/4	291.13	3/4		3/4		3/4	
6	2,431.83	6	2,073.71	6	1,715.60	6	1,357.49	6	999.62	6	641.77	6	283.67	6		6		6	
1/4	2,424.37	1/4	2,066.25	1/4	1,708.14	1/4	1,350.03	1/4	992.17	1/4	634.31	1/4	276.21	1/4		1/4		1/4	
1/2	2,416.91	1/2	2,058.79	1/2	1,700.68	1/2	1,342.57	1/2	984.73	1/2	626.85	1/2	268.75	1/2		1/2		1/2	
3/4	2,409.45	3/4	2,051.33	3/4	1,693.22	3/4	1,335.10	3/4	977.28	3/4	619.39	3/4	261.29	3/4		3/4		3/4	
7	2,401.99	7	2,043.87	7	1,685.76	7	1,327.64	7	969.83	7	611.93	7	253.83	7		7		7	
1/4	2,394.52	1/4	2,036.41	1/4	1,678.30	1/4	1,320.18	1/4	962.39	1/4	604.47	1/4	246.37	1/4		1/4		1/4	
1/2	2,387.06	1/2	2,028.95	1/2	1,670.84	1/2	1,312.72	1/2	954.94	1/2	597.01	1/2	238.91	1/2		1/2		1/2	
3/4	2,379.60	3/4	2,021.49	3/4	1,663.38	3/4	1,305.26	3/4	947.50	3/4	589.55	3/4	231.44	3/4		3/4		3/4	
8	2,372.14	8	2,014.03	8	1,655.92	8	1,297.80	8	940.05	8	582.09	8	223.98	8		8		8	
1/4	2,364.68	1/4	2,006.57	1/4	1,648.45	1/4	1,290.34	1/4	932.60	1/4	574.63	1/4	216.52	1/4		1/4		1/4	
1/2	2,357.22	1/2	1,999.11	1/2	1,640.99	1/2	1,282.88	1/2	925.16	1/2	567.17	1/2	209.06	1/2		1/2		1/2	
3/4	2,349.76	3/4	1,991.65	3/4	1,633.53	3/4	1,275.42	3/4	917.71	3/4	559.71	3/4	201.60	3/4		3/4		3/4	
9	2,342.30	9	1,984.19	9	1,626.07	9	1,267.96	9	910.26	9	552.25	9	194.14	9		9		9	
1/4	2,334.84	1/4	1,976.73	1/4	1,618.61	1/4	1,260.50	1/4	902.82	1/4	544.79	1/4	186.68	1/4		1/4		1/4	
1/2	2,327.38	1/2	1,969.26	1/2	1,611.15	1/2	1,253.04	1/2	895.37	1/2	537.33	1/2	179.22	1/2		1/2		1/2	
3/4	2,319.92	3/4	1,961.80	3/4	1,603.69	3/4	1,245.58	3/4	887.93	3/4	529.86	3/4	171.76	3/4		3/4		3/4	
10	2,312.46	10	1,954.34	10	1,596.23	10	1,238.12	10	880.48	10	522.40	10	164.30	10		10		10	
1/4	2,305.00	1/4	1,946.88	1/4	1,588.77	1/4	1,230.66	1/4	873.03	1/4	514.94	1/4	156.84	1/4		1/4		1/4	
1/2	2,297.54	1/2	1,939.42	1/2	1,581.31	1/2	1,223.19	1/2	865.59	1/2	507.48	1/2	149.38	1/2		1/2		1/2	
3/4	2,290.07	3/4	1,931.96	3/4	1,573.85	3/4	1,215.73	3/4	858.13	3/4	500.02	3/4	141.92	3/4		3/4		3/4	
11	2,282.61	11	1,924.50	11	1,566.39	11	1,208.27	11	850.67	11	492.56	11	134.46	11		11		11	
1/4	2,275.15	1/4	1,917.04	1/4	1,558.93	1/4	1,200.81	1/4	843.21	1/4	485.10	1/4	127.00	1/4		1/4		1/4	
1/2	2,267.69	1/2	1,909.58	1/2	1,551.47	1/2	1,193.35	1/2	835.75	1/2	477.64	1/2	119.54	1/2		1/2		1/2	
3/4	2,260.23	3/4	1,902.12	3/4	1,544.00	3/4	1,185.89	3/4	828.28	3/4	470.18	3/4	112.09	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/20/2012 CL - SW
RECALCULATED : 10/20/2022 CL
NAME CHANGE: 10/20/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

PRECISION MEASUREMENT
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