



BARGE "EMS 527"

INNAGE TRIM TABLE

	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 PORT	- 00-5/8	00-5/8	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-3/4	02-3/4	- 03-1/2	03-1/2
3 STBD	- 00-5/8	00-5/8	- 01-1/8	01-1/8	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-7/8	02-7/8	- 03-1/2	03-1/2

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

LENGTH BETWEEN DRAFT MARKS: 253'-00"

December 21, 2020

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

<http://www.pmacorp.net>



BARGE "EMS 527"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	21.40	1/4	359.34	1/4	722.18	1/4	1,084.77	1/4	1,447.36	1/4	1,810.21	1/4	2,173.05	1/4	2,535.90	1/4	2,898.64	1/4	3,261.35
1/4	25.65	1/4	366.90	1/4	729.73	1/4	1,092.31	1/4	1,454.92	1/4	1,817.76	1/4	2,180.61	1/4	2,543.46	1/4	2,906.19	1/4	3,268.90
1/2	29.90	1/2	374.46	1/2	737.29	1/2	1,099.86	1/2	1,462.48	1/2	1,825.32	1/2	2,188.17	1/2	2,551.02	1/2	2,913.75	1/2	3,276.46
3/4	34.15	3/4	382.02	3/4	744.85	3/4	1,107.41	3/4	1,470.04	3/4	1,832.88	3/4	2,196.73	3/4	2,558.58	3/4	2,921.30	3/4	3,284.02
1	38.41	1	389.58	1	752.41	1	1,114.96	1	1,477.60	1	1,840.44	1	2,203.29	1	2,566.14	1	2,928.86	1	3,291.57
1/4	43.92	1/4	397.14	1/4	759.97	1/4	1,122.50	1/4	1,485.16	1/4	1,848.00	1/4	2,210.85	1/4	2,573.69	1/4	2,936.42	1/4	3,299.13
1/2	49.43	1/2	404.70	1/2	767.53	1/2	1,130.05	1/2	1,492.71	1/2	1,855.56	1/2	2,218.41	1/2	2,581.25	1/2	2,943.97	1/2	3,306.69
3/4	54.94	3/4	412.26	3/4	775.09	3/4	1,137.60	3/4	1,500.27	3/4	1,863.12	3/4	2,225.97	3/4	2,588.81	3/4	2,951.53	3/4	3,314.24
2	60.45	2	419.82	2	782.65	2	1,145.14	2	1,507.83	2	1,870.68	2	2,233.53	2	2,596.37	2	2,959.09	2	3,321.80
1/4	67.22	1/4	427.37	1/4	790.21	1/4	1,152.69	1/4	1,515.39	1/4	1,878.24	1/4	2,241.09	1/4	2,603.93	1/4	2,966.64	1/4	3,329.36
1/2	73.99	1/2	434.93	1/2	797.77	1/2	1,160.24	1/2	1,522.95	1/2	1,885.80	1/2	2,248.64	1/2	2,611.49	1/2	2,974.20	1/2	3,336.91
3/4	80.76	3/4	442.49	3/4	805.32	3/4	1,167.78	3/4	1,530.51	3/4	1,893.36	3/4	2,256.20	3/4	2,619.05	3/4	2,981.76	3/4	3,344.47
3	87.53	3	450.05	3	812.88	3	1,175.33	3	1,538.07	3	1,900.92	3	2,263.76	3	2,626.61	3	2,989.31	3	3,352.03
1/4	95.01	1/4	457.61	1/4	820.44	1/4	1,182.88	1/4	1,545.63	1/4	1,908.48	1/4	2,271.32	1/4	2,634.16	1/4	2,996.87	1/4	3,359.58
1/2	102.49	1/2	465.17	1/2	828.00	1/2	1,190.43	1/2	1,553.19	1/2	1,916.04	1/2	2,278.88	1/2	2,641.72	1/2	2,999.43	1/2	3,367.14
3/4	109.97	3/4	472.73	3/4	835.56	3/4	1,197.97	3/4	1,560.75	3/4	1,923.59	3/4	2,286.44	3/4	2,649.27	3/4	2,999.43	3/4	3,374.69
4	117.46	4	480.29	4	843.12	4	1,205.52	4	1,568.31	4	1,931.15	4	2,294.00	4	2,656.83	4	2,999.43	4	3,382.25
1/4	125.01	1/4	487.85	1/4	850.68	1/4	1,213.07	1/4	1,575.87	1/4	1,938.71	1/4	2,301.56	1/4	2,664.38	1/4	2,999.43	1/4	3,389.81
1/2	132.57	1/2	495.41	1/2	858.24	1/2	1,220.61	1/2	1,583.43	1/2	1,946.27	1/2	2,309.12	1/2	2,671.94	1/2	2,999.43	1/2	3,397.36
3/4	140.13	3/4	502.96	3/4	865.80	3/4	1,228.16	3/4	1,590.99	3/4	1,953.83	3/4	2,316.68	3/4	2,679.50	3/4	2,999.43	3/4	3,404.92
5	147.69	5	510.32	5	873.35	5	1,235.71	5	1,598.55	5	1,961.39	5	2,324.24	5	2,687.05	5	3,049.77	5	3,412.48
1/4	155.25	1/4	518.08	1/4	880.91	1/4	1,243.26	1/4	1,606.10	1/4	1,968.95	1/4	2,331.80	1/4	2,694.61	1/4	3,057.32	1/4	3,420.03
1/2	162.81	1/2	525.64	1/2	888.47	1/2	1,250.82	1/2	1,613.66	1/2	1,976.51	1/2	2,339.36	1/2	2,702.17	1/2	3,064.88	1/2	3,427.59
3/4	170.37	3/4	533.20	3/4	896.03	3/4	1,258.38	3/4	1,621.22	3/4	1,984.07	3/4	2,346.92	3/4	2,709.72	3/4	3,072.43	3/4	3,435.15
6	177.93	6	540.76	6	903.59	6	1,265.94	6	1,628.78	6	1,991.63	6	2,354.47	6	2,717.28	6	3,079.99	6	3,442.70
1/4	185.49	1/4	548.32	1/4	911.15	1/4	1,273.50	1/4	1,636.34	1/4	1,999.19	1/4	2,362.03	1/4	2,724.84	1/4	3,087.55	1/4	3,450.26
1/2	193.05	1/2	555.88	1/2	918.71	1/2	1,281.05	1/2	1,643.90	1/2	2,006.75	1/2	2,369.59	1/2	2,732.39	1/2	3,095.10	1/2	3,457.82
3/4	200.60	3/4	563.44	3/4	926.27	3/4	1,288.61	3/4	1,651.46	3/4	2,014.31	3/4	2,377.15	3/4	2,739.95	3/4	3,102.66	3/4	3,465.37
7	208.16	7	571.00	7	933.83	7	1,296.17	7	1,659.02	7	2,021.87	7	2,384.71	7	2,747.51	7	3,110.22	7	3,472.93
1/4	215.72	1/4	578.55	1/4	941.37	1/4	1,303.73	1/4	1,666.58	1/4	2,029.43	1/4	2,392.27	1/4	2,755.06	1/4	3,117.77	1/4	3,480.49
1/2	223.28	1/2	586.11	1/2	948.92	1/2	1,311.29	1/2	1,674.14	1/2	2,036.98	1/2	2,399.83	1/2	2,762.62	1/2	3,125.33	1/2	3,488.04
3/4	230.84	3/4	593.67	3/4	956.47	3/4	1,318.85	3/4	1,681.70	3/4	2,044.54	3/4	2,407.39	3/4	2,770.17	3/4	3,132.89	3/4	3,495.60
8	238.40	8	601.23	8	964.01	8	1,326.41	8	1,689.26	8	2,052.10	8	2,414.95	8	2,777.73	8	3,140.44	8	3,503.16
1/4	245.96	1/4	608.79	1/4	971.56	1/4	1,333.97	1/4	1,696.82	1/4	2,059.66	1/4	2,422.51	1/4	2,785.29	1/4	3,148.00	1/4	3,510.71
1/2	253.52	1/2	616.35	1/2	979.11	1/2	1,341.53	1/2	1,704.38	1/2	2,067.22	1/2	2,430.07	1/2	2,792.84	1/2	3,155.56	1/2	3,518.27
3/4	261.08	3/4	623.91	3/4	986.66	3/4	1,349.09	3/4	1,711.93	3/4	2,074.78	3/4	2,437.63	3/4	2,800.40	3/4	3,163.11	3/4	3,525.82
9	268.64	9	631.47	9	994.20	9	1,356.65	9	1,719.49	9	2,082.34	9	2,445.19	9	2,807.96	9	3,170.67	9	3,533.38
1/4	276.19	1/4	639.03	1/4	1,001.75	1/4	1,364.21	1/4	1,727.05	1/4	2,089.90	1/4	2,452.75	1/4	2,815.51	1/4	3,178.23	1/4	3,540.94
1/2	283.75	1/2	646.59	1/2	1,009.30	1/2	1,371.77	1/2	1,734.61	1/2	2,097.46	1/2	2,460.31	1/2	2,823.07	1/2	3,185.78	1/2	3,548.49
3/4	291.31	3/4	654.14	3/4	1,016.84	3/4	1,379.33	3/4	1,742.17	3/4	2,105.02	3/4	2,467.86	3/4	2,830.63	3/4	3,193.34	3/4	3,556.05
10	298.87	10	661.70	10	1,024.39	10	1,386.88	10	1,749.73	10	2,112.58	10	2,475.42	10	2,838.18	10	3,200.90	10	3,563.61
1/4	306.43	1/4	669.26	1/4	1,031.94	1/4	1,394.44	1/4	1,757.29	1/4	2,120.14	1/4	2,482.98	1/4	2,845.74	1/4	3,208.45	1/4	3,571.16
1/2	313.99	1/2	676.82	1/2	1,039.49	1/2	1,402.00	1/2	1,764.85	1/2	2,127.70	1/2	2,490.54	1/2	2,853.30	1/2	3,216.01	1/2	3,578.72
3/4	321.55	3/4	684.38	3/4	1,047.03	3/4	1,409.56	3/4	1,772.41	3/4	2,135.26	3/4	2,498.10	3/4	2,860.85	3/4	3,223.56	3/4	3,586.28
11	329.11	11	691.94	11	1,054.58	11	1,417.12	11	1,779.97	11	2,142.81	11	2,505.66	11	2,868.41	11	3,231.12	11	3,593.83
1/4	336.67	1/4	699.50	1/4	1,062.13	1/4	1,424.68	1/4	1,787.53	1/4	2,150.37	1/4	2,513.22	1/4	2,875.97	1/4	3,238.68	1/4	3,601.39
1/2	344.23	1/2	707.06	1/2	1,069.67	1/2	1,432.24	1/2	1,795.09	1/2	2,157.93	1/2	2,520.78	1/2	2,883.52	1/2	3,246.23	1/2	3,608.95
3/4	351.78	3/4	714.62	3/4	1,077.22	3/4	1,439.80	3/4	1,802.65	3/4	2,165.49	3/4	2,528.34	3/4	2,891.08	3/4	3,253.79	3/4	3,616.50

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

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BARGE "EMS 527"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,624.06	1/4	3,986.73	0	4,341.85	0	4,683.72	0	5,010.85	0		0		0		0		0	
1/4	3,631.62	1/4	3,994.25	1/4	4,349.10	1/4	4,690.69	1/4	5,017.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.17	1/2	4,001.78	1/2	4,356.34	1/2	4,697.66	1/2	5,024.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.73	3/4	4,009.30	3/4	4,363.59	3/4	4,704.64	3/4	5,030.64	3/4		3/4		3/4		3/4		3/4	
1	3,654.29	1	4,016.83	1	4,370.84	1	4,711.61	1	5,037.24	1		1		1		1		1	
1/4	3,661.84	1/4	4,024.33	1/4	4,378.07	1/4	4,718.53	1/4	5,043.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,669.40	1/2	4,031.83	1/2	4,385.29	1/2	4,725.46	1/2	5,050.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.95	3/4	4,039.33	3/4	4,392.52	3/4	4,732.38	3/4	5,056.97	3/4		3/4		3/4		3/4		3/4	
2	3,684.51	2	4,046.83	2	4,399.74	2	4,739.31	2	5,063.54	2		2		2		2		2	
1/4	3,692.07	1/4	4,054.31	1/4	4,406.95	1/4	4,746.20	1/4	5,070.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,699.62	1/2	4,061.79	1/2	4,414.15	1/2	4,753.10	1/2	5,076.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,707.18	3/4	4,069.27	3/4	4,421.35	3/4	4,760.00	3/4	5,083.20	3/4		3/4		3/4		3/4		3/4	
3	3,714.74	3	4,076.75	3	4,428.56	3	4,766.90	3	5,089.75	3		3		3		3		3	
1/4	3,722.29	1/4	4,084.20	1/4	4,435.74	1/4	4,773.77	1/4	5,096.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,729.85	1/2	4,091.66	1/2	4,442.92	1/2	4,780.65	1/2	5,102.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,737.41	3/4	4,099.12	3/4	4,450.10	3/4	4,787.52	3/4	5,109.34	3/4		3/4		3/4		3/4		3/4	
4	3,744.96	4	4,106.57	4	4,457.28	4	4,794.40	4	5,115.87	4		4		4		4		4	
1/4	3,752.52	1/4	4,114.00	1/4	4,464.43	1/4	4,801.25	1/4	5,122.38	1/4		1/4		1/4		1/4		1/4	
1/2	3,760.08	1/2	4,121.44	1/2	4,471.59	1/2	4,808.10	1/2	5,128.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,767.63	3/4	4,128.87	3/4	4,478.75	3/4	4,814.95	3/4	5,135.39	3/4		3/4		3/4		3/4		3/4	
5	3,775.19	5	4,136.30	5	4,485.90	5	4,821.80	5	5,141.90	5		5		5		5		5	
1/4	3,782.75	1/4	4,143.71	1/4	4,493.04	1/4	4,828.63	1/4	5,149.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,790.30	1/2	4,151.12	1/2	4,500.17	1/2	4,835.46	1/2	5,156.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,797.86	3/4	4,158.53	3/4	4,507.30	3/4	4,842.29	3/4	5,163.50	3/4		3/4		3/4		3/4		3/4	
6	3,805.42	6	4,165.94	6	4,514.44	6	4,849.12	6	5,170.70	6		6		6		6		6	
1/4	3,812.97	1/4	4,173.33	1/4	4,521.55	1/4	4,855.92	1/4	5,177.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,820.53	1/2	4,180.72	1/2	4,528.66	1/2	4,862.73	1/2	5,183.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,828.08	3/4	4,188.10	3/4	4,535.77	3/4	4,869.53	3/4	5,189.71	3/4		3/4		3/4		3/4		3/4	
7	3,835.64	7	4,195.49	7	4,542.88	7	4,876.34	7	5,196.04	7		7		7		7		7	
1/4	3,843.20	1/4	4,202.85	1/4	4,549.97	1/4	4,883.12	1/4	5,201.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,850.75	1/2	4,210.22	1/2	4,557.06	1/2	4,889.91	1/2	5,206.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,858.31	3/4	4,217.58	3/4	4,564.14	3/4	4,896.69	3/4	5,211.40	3/4		3/4		3/4		3/4		3/4	
8	3,865.87	8	4,224.95	8	4,571.23	8	4,903.47	8	5,216.53	8		8		8		8		8	
1/4	3,873.42	1/4	4,232.29	1/4	4,578.30	1/4	4,910.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,880.98	1/2	4,239.63	1/2	4,585.36	1/2	4,916.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,888.54	3/4	4,246.97	3/4	4,592.43	3/4	4,923.75	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,896.09	9	4,254.31	9	4,599.49	9	4,930.51	9		9		9		9		9		9	
1/4	3,903.65	1/4	4,261.63	1/4	4,606.53	1/4	4,937.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,911.21	1/2	4,268.94	1/2	4,613.58	1/2	4,943.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,918.76	3/4	4,276.26	3/4	4,620.62	3/4	4,950.73	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,926.32	10	4,283.58	10	4,627.66	10	4,957.46	10		10		10		10		10		10	
1/4	3,933.88	1/4	4,290.87	1/4	4,634.68	1/4	4,964.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,941.43	1/2	4,298.17	1/2	4,641.70	1/2	4,970.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,948.99	3/4	4,305.46	3/4	4,648.72	3/4	4,977.61	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,956.55	11	4,312.76	11	4,655.73	11	4,984.33	11		11		11		11		11		11	
1/4	3,964.09	1/4	4,320.03	1/4	4,662.73	1/4	4,990.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,971.64	1/2	4,327.30	1/2	4,669.73	1/2	4,997.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,979.18	3/4	4,334.57	3/4	4,676.72	3/4	5,004.22	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 527"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	21.42	0	359.59	0	722.66	0	1,084.58	0	1,446.45	0	1,809.54	0	2,172.63	0	2,535.73	0	2,898.72	0	3,261.69
1/4	25.67	1/4	367.15	1/4	730.23	1/4	1,092.09	1/4	1,454.02	1/4	1,817.11	1/4	2,180.20	1/4	2,543.29	1/4	2,906.29	1/4	3,269.25
1/2	29.92	1/2	374.71	1/2	737.79	1/2	1,099.61	1/2	1,461.58	1/2	1,824.67	1/2	2,187.76	1/2	2,550.85	1/2	2,913.85	1/2	3,276.81
3/4	34.18	3/4	382.28	3/4	745.36	3/4	1,107.12	3/4	1,469.14	3/4	1,832.24	3/4	2,195.33	3/4	2,558.42	3/4	2,921.41	3/4	3,284.37
1	38.43	1	389.84	1	752.92	1	1,114.63	1	1,476.71	1	1,839.80	1	2,202.89	1	2,565.98	1	2,928.97	1	3,291.93
1/4	43.95	1/4	397.41	1/4	760.48	1/4	1,122.14	1/4	1,484.27	1/4	1,847.36	1/4	2,210.46	1/4	2,573.55	1/4	2,936.53	1/4	3,299.49
1/2	49.46	1/2	404.97	1/2	768.05	1/2	1,129.66	1/2	1,491.84	1/2	1,854.93	1/2	2,218.02	1/2	2,581.11	1/2	2,944.09	1/2	3,307.06
3/4	54.98	3/4	412.53	3/4	775.61	3/4	1,137.17	3/4	1,499.40	3/4	1,862.49	3/4	2,225.58	3/4	2,588.68	3/4	2,951.66	3/4	3,314.62
2	60.49	2	420.10	2	783.18	2	1,144.68	2	1,506.97	2	1,870.06	2	2,233.15	2	2,596.24	2	2,959.22	2	3,322.18
1/4	67.27	1/4	427.66	1/4	790.74	1/4	1,152.19	1/4	1,514.53	1/4	1,877.62	1/4	2,240.71	1/4	2,603.80	1/4	2,966.78	1/4	3,329.74
1/2	74.04	1/2	435.23	1/2	798.30	1/2	1,159.71	1/2	1,522.10	1/2	1,885.19	1/2	2,248.28	1/2	2,611.37	1/2	2,974.34	1/2	3,337.30
3/4	80.82	3/4	442.79	3/4	805.87	3/4	1,167.22	3/4	1,528.66	3/4	1,892.75	3/4	2,255.84	3/4	2,618.93	3/4	2,981.90	3/4	3,344.86
3	87.59	3	450.36	3	813.43	3	1,174.73	3	1,537.22	3	1,900.32	3	2,263.41	3	2,626.50	3	2,994.46	3	3,352.43
1/4	95.08	1/4	457.92	1/4	821.00	1/4	1,182.24	1/4	1,544.79	1/4	1,907.88	1/4	2,270.97	1/4	2,634.06	1/4	2,997.03	1/4	3,359.99
1/2	102.56	1/2	465.48	1/2	828.56	1/2	1,189.76	1/2	1,552.35	1/2	1,915.44	1/2	2,278.54	1/2	2,641.62	1/2	3,004.59	1/2	3,367.55
3/4	110.05	3/4	473.05	3/4	836.12	3/4	1,197.27	3/4	1,559.92	3/4	1,923.01	3/4	2,286.10	3/4	2,649.19	3/4	3,012.15	3/4	3,375.11
4	117.54	4	480.61	4	843.69	4	1,204.78	4	1,567.48	4	1,930.57	4	2,293.66	4	2,656.75	4	3,019.71	4	3,382.67
1/4	125.10	1/4	488.18	1/4	851.25	1/4	1,212.29	1/4	1,575.05	1/4	1,938.14	1/4	2,301.23	1/4	2,664.31	1/4	3,027.27	1/4	3,390.23
1/2	132.66	1/2	495.74	1/2	858.82	1/2	1,219.81	1/2	1,582.61	1/2	1,945.70	1/2	2,308.79	1/2	2,671.87	1/2	3,034.83	1/2	3,397.80
3/4	140.23	3/4	503.30	3/4	866.38	3/4	1,227.32	3/4	1,590.18	3/4	1,953.27	3/4	2,316.36	3/4	2,679.43	3/4	3,042.40	3/4	3,405.36
5	147.79	5	510.87	5	873.95	5	1,234.83	5	1,597.74	5	1,960.83	5	2,323.92	5	2,687.00	5	3,049.96	5	3,412.92
1/4	155.36	1/4	518.43	1/4	881.51	1/4	1,242.36	1/4	1,605.30	1/4	1,968.40	1/4	2,331.49	1/4	2,694.56	1/4	3,057.52	1/4	3,420.48
1/2	162.92	1/2	526.00	1/2	889.07	1/2	1,249.88	1/2	1,612.87	1/2	1,975.96	1/2	2,339.05	1/2	2,702.12	1/2	3,065.08	1/2	3,428.04
3/4	170.48	3/4	533.56	3/4	896.64	3/4	1,257.40	3/4	1,620.43	3/4	1,983.52	3/4	2,346.62	3/4	2,709.68	3/4	3,072.64	3/4	3,435.60
6	178.05	6	541.12	6	904.20	6	1,264.93	6	1,628.00	6	1,991.09	6	2,354.18	6	2,717.24	6	3,080.21	6	3,443.17
1/4	185.61	1/4	548.69	1/4	911.73	1/4	1,272.48	1/4	1,635.56	1/4	1,998.65	1/4	2,361.74	1/4	2,724.81	1/4	3,087.77	1/4	3,450.73
1/2	193.18	1/2	556.25	1/2	919.26	1/2	1,280.04	1/2	1,643.13	1/2	2,006.22	1/2	2,369.31	1/2	2,732.37	1/2	3,095.33	1/2	3,458.29
3/4	200.74	3/4	563.82	3/4	926.79	3/4	1,287.60	3/4	1,650.69	3/4	2,013.78	3/4	2,376.87	3/4	2,739.93	3/4	3,102.89	3/4	3,465.85
7	208.30	7	571.38	7	934.32	7	1,295.16	7	1,658.25	7	2,021.35	7	2,384.44	7	2,747.49	7	3,110.45	7	3,473.41
1/4	215.87	1/4	578.95	1/4	941.84	1/4	1,302.73	1/4	1,665.82	1/4	2,028.91	1/4	2,392.00	1/4	2,755.05	1/4	3,118.01	1/4	3,480.98
1/2	223.43	1/2	586.51	1/2	949.35	1/2	1,310.29	1/2	1,673.38	1/2	2,036.47	1/2	2,399.57	1/2	2,762.61	1/2	3,125.58	1/2	3,488.54
3/4	231.00	3/4	594.07	3/4	956.86	3/4	1,317.86	3/4	1,680.95	3/4	2,044.04	3/4	2,407.13	3/4	2,770.18	3/4	3,133.14	3/4	3,496.10
8	238.56	8	601.64	8	964.38	8	1,325.42	8	1,688.51	8	2,051.60	8	2,414.69	8	2,777.74	8	3,140.70	8	3,503.66
1/4	246.12	1/4	609.20	1/4	971.89	1/4	1,332.99	1/4	1,696.08	1/4	2,059.17	1/4	2,422.26	1/4	2,785.30	1/4	3,148.26	1/4	3,511.22
1/2	253.69	1/2	616.77	1/2	979.40	1/2	1,340.55	1/2	1,703.64	1/2	2,066.73	1/2	2,429.82	1/2	2,792.86	1/2	3,155.82	1/2	3,518.78
3/4	261.25	3/4	624.33	3/4	986.92	3/4	1,348.11	3/4	1,711.21	3/4	2,074.30	3/4	2,437.39	3/4	2,800.42	3/4	3,163.38	3/4	3,526.35
9	268.82	9	631.89	9	994.43	9	1,355.68	9	1,718.77	9	2,081.86	9	2,444.95	9	2,807.98	9	3,170.95	9	3,533.91
1/4	276.38	1/4	639.46	1/4	1,001.94	1/4	1,363.24	1/4	1,726.33	1/4	2,089.43	1/4	2,452.52	1/4	2,815.55	1/4	3,178.51	1/4	3,541.47
1/2	283.95	1/2	647.02	1/2	1,009.45	1/2	1,370.81	1/2	1,733.90	1/2	2,096.99	1/2	2,460.08	1/2	2,823.11	1/2	3,186.07	1/2	3,549.03
3/4	291.51	3/4	654.59	3/4	1,016.97	3/4	1,378.37	3/4	1,741.46	3/4	2,104.55	3/4	2,467.65	3/4	2,830.67	3/4	3,193.63	3/4	3,556.59
10	299.07	10	662.15	10	1,024.48	10	1,385.94	10	1,749.03	10	2,112.12	10	2,475.21	10	2,838.23	10	3,201.19	10	3,564.15
1/4	306.64	1/4	669.71	1/4	1,031.99	1/4	1,393.50	1/4	1,756.59	1/4	2,119.68	1/4	2,482.77	1/4	2,845.79	1/4	3,208.75	1/4	3,571.72
1/2	314.20	1/2	677.28	1/2	1,039.50	1/2	1,401.03	1/2	1,764.16	1/2	2,127.25	1/2	2,490.34	1/2	2,853.35	1/2	3,216.32	1/2	3,579.28
3/4	321.77	3/4	684.84	3/4	1,047.02	3/4	1,408.63	3/4	1,771.72	3/4	2,134.81	3/4	2,497.90	3/4	2,860.92	3/4	3,223.88	3/4	3,586.84
11	329.33	11	692.41	11	1,054.53	11	1,416.19	11	1,779.29	11	2,142.38	11	2,505.47	11	2,868.48	11	3,231.44	11	3,594.40
1/4	336.89	1/4	699.97	1/4	1,062.04	1/4	1,423.76	1/4	1,786.85	1/4	2,149.94	1/4	2,513.03	1/4	2,876.04	1/4	3,239.00	1/4	3,601.96
1/2	344.46	1/2	707.53	1/2	1,069.55	1/2	1,431.32	1/2	1,794.41	1/2	2,157.51	1/2	2,520.60	1/2	2,883.60	1/2	3,246.56	1/2	3,609.52
3/4	352.02	3/4	715.10	3/4	1,077.07	3/4	1,438.89	3/4	1,801.98	3/4	2,165.07	3/4	2,528.16	3/4	2,891.16	3/4	3,254.12	3/4	3,617.09

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 527"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,624.65	1/4	3,987.56	0	4,342.93	0	4,685.05	0	5,012.44	0		0		0		0		0	
1/4	3,632.21	1/4	3,995.09	1/4	4,350.18	1/4	4,692.03	1/4	5,019.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,639.77	1/2	4,002.62	1/2	4,357.44	1/2	4,699.01	1/2	5,026.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.33	3/4	4,010.15	3/4	4,364.69	3/4	4,705.99	3/4	5,032.25	3/4		3/4		3/4		3/4		3/4	
1	3,654.89	1	4,017.68	1	4,371.94	1	4,712.96	1	5,038.85	1		1		1		1		1	
1/4	3,662.46	1/4	4,025.19	1/4	4,379.18	1/4	4,719.89	1/4	5,045.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.02	1/2	4,032.69	1/2	4,386.41	1/2	4,726.82	1/2	5,052.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,677.58	3/4	4,040.20	3/4	4,393.64	3/4	4,733.75	3/4	5,058.60	3/4		3/4		3/4		3/4		3/4	
2	3,685.14	2	4,047.71	2	4,400.87	2	4,740.68	2	5,065.18	2		2		2		2		2	
1/4	3,692.70	1/4	4,055.19	1/4	4,408.08	1/4	4,747.59	1/4	5,071.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,700.26	1/2	4,062.68	1/2	4,415.29	1/2	4,754.49	1/2	5,078.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,707.83	3/4	4,070.16	3/4	4,422.49	3/4	4,761.39	3/4	5,084.85	3/4		3/4		3/4		3/4		3/4	
3	3,715.39	3	4,077.64	3	4,429.70	3	4,768.29	3	5,091.41	3		3		3		3		3	
1/4	3,722.95	1/4	4,085.10	1/4	4,436.89	1/4	4,775.17	1/4	5,097.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,730.51	1/2	4,092.57	1/2	4,444.07	1/2	4,782.05	1/2	5,104.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,738.07	3/4	4,100.03	3/4	4,451.26	3/4	4,788.93	3/4	5,111.01	3/4		3/4		3/4		3/4		3/4	
4	3,745.63	4	4,107.49	4	4,458.44	4	4,795.81	4	5,117.55	4		4		4		4		4	
1/4	3,753.20	1/4	4,114.93	1/4	4,465.60	1/4	4,802.67	1/4	5,124.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,760.76	1/2	4,122.36	1/2	4,472.77	1/2	4,809.53	1/2	5,130.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,768.32	3/4	4,129.80	3/4	4,479.93	3/4	4,816.39	3/4	5,137.08	3/4		3/4		3/4		3/4		3/4	
5	3,775.88	5	4,137.24	5	4,487.09	5	4,823.24	5	5,143.59	5		5		5		5		5	
1/4	3,783.44	1/4	4,144.65	1/4	4,494.23	1/4	4,830.08	1/4	5,150.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,791.00	1/2	4,152.07	1/2	4,501.37	1/2	4,836.91	1/2	5,158.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,798.57	3/4	4,159.48	3/4	4,508.51	3/4	4,843.74	3/4	5,165.21	3/4		3/4		3/4		3/4		3/4	
6	3,806.13	6	4,166.90	6	4,515.65	6	4,850.58	6	5,172.41	6		6		6		6		6	
1/4	3,813.69	1/4	4,174.29	1/4	4,522.76	1/4	4,857.39	1/4	5,178.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,821.25	1/2	4,181.68	1/2	4,529.88	1/2	4,864.20	1/2	5,185.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,828.81	3/4	4,189.08	3/4	4,536.99	3/4	4,871.01	3/4	5,191.43	3/4		3/4		3/4		3/4		3/4	
7	3,836.38	7	4,196.47	7	4,544.11	7	4,877.82	7	5,197.77	7		7		7		7		7	
1/4	3,843.94	1/4	4,203.84	1/4	4,551.20	1/4	4,884.61	1/4	5,202.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,851.50	1/2	4,211.21	1/2	4,558.30	1/2	4,891.40	1/2	5,208.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,859.06	3/4	4,218.57	3/4	4,565.39	3/4	4,898.19	3/4	5,213.14	3/4		3/4		3/4		3/4		3/4	
8	3,866.62	8	4,225.94	8	4,572.48	8	4,904.97	8	5,218.27	8		8		8		8		8	
1/4	3,874.18	1/4	4,233.29	1/4	4,579.55	1/4	4,911.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.75	1/2	4,240.64	1/2	4,586.62	1/2	4,918.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.31	3/4	4,247.98	3/4	4,593.69	3/4	4,925.27	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,896.87	9	4,255.33	9	4,600.76	9	4,932.03	9		9		9		9		9		9	
1/4	3,904.43	1/4	4,262.65	1/4	4,607.81	1/4	4,938.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,911.99	1/2	4,269.97	1/2	4,614.86	1/2	4,945.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,919.55	3/4	4,277.30	3/4	4,621.90	3/4	4,952.27	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,927.12	10	4,284.62	10	4,628.95	10	4,959.01	10		10		10		10		10		10	
1/4	3,934.68	1/4	4,291.92	1/4	4,635.98	1/4	4,965.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,942.24	1/2	4,299.22	1/2	4,643.00	1/2	4,972.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,949.80	3/4	4,306.52	3/4	4,650.02	3/4	4,979.17	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,957.36	11	4,313.82	11	4,657.05	11	4,985.90	11		11		11		11		11		11	
1/4	3,964.91	1/4	4,321.10	1/4	4,664.05	1/4	4,992.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,972.46	1/2	4,328.37	1/2	4,671.05	1/2	4,999.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,980.01	3/4	4,335.65	3/4	4,678.05	3/4	5,005.80	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 527"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.33	0	358.19	0	719.86	0	1,081.29	0	1,442.72	0	1,804.41	0	2,166.09	0	2,527.78	0	2,889.34	0	3,250.89
1/4	25.57	1/4	365.72	1/4	727.39	1/4	1,088.81	1/4	1,450.26	1/4	1,811.94	1/4	2,173.63	1/4	2,535.31	1/4	2,896.88	1/4	3,258.42
1/2	29.81	1/2	373.26	1/2	734.92	1/2	1,096.34	1/2	1,457.79	1/2	1,819.48	1/2	2,181.16	1/2	2,542.85	1/2	2,904.41	1/2	3,265.95
3/4	34.05	3/4	380.79	3/4	742.46	3/4	1,103.86	3/4	1,465.33	3/4	1,827.01	3/4	2,188.70	3/4	2,550.38	3/4	2,911.94	3/4	3,273.49
1	38.28	1	388.33	1	749.99	1	1,111.38	1	1,472.86	1	1,834.55	1	2,196.23	1	2,557.92	1	2,919.47	1	3,281.02
1/4	43.78	1/4	395.86	1/4	757.53	1/4	1,118.90	1/4	1,480.40	1/4	1,842.08	1/4	2,203.77	1/4	2,565.45	1/4	2,927.01	1/4	3,288.55
1/2	49.27	1/2	403.40	1/2	765.06	1/2	1,126.43	1/2	1,487.93	1/2	1,849.62	1/2	2,211.30	1/2	2,572.99	1/2	2,934.54	1/2	3,296.08
3/4	54.76	3/4	410.93	3/4	772.60	3/4	1,133.95	3/4	1,495.47	3/4	1,857.15	3/4	2,218.84	3/4	2,580.52	3/4	2,942.07	3/4	3,303.62
2	60.26	2	418.47	2	780.13	2	1,141.47	2	1,503.00	2	1,864.69	2	2,226.37	2	2,588.06	2	2,949.60	2	3,311.15
1/4	67.01	1/4	426.00	1/4	787.67	1/4	1,148.99	1/4	1,510.54	1/4	1,872.22	1/4	2,233.91	1/4	2,595.59	1/4	2,957.13	1/4	3,318.68
1/2	73.76	1/2	433.54	1/2	795.20	1/2	1,156.52	1/2	1,516.07	1/2	1,879.76	1/2	2,241.44	1/2	2,603.13	1/2	2,964.67	1/2	3,326.21
3/4	80.50	3/4	441.07	3/4	802.74	3/4	1,164.04	3/4	1,525.61	3/4	1,887.29	3/4	2,248.98	3/4	2,610.66	3/4	2,972.20	3/4	3,333.74
3	87.25	3	448.61	3	810.27	3	1,171.56	3	1,533.14	3	1,894.83	3	2,256.51	3	2,618.20	3	2,979.73	3	3,341.28
1/4	94.71	1/4	456.14	1/4	817.81	1/4	1,179.08	1/4	1,540.68	1/4	1,902.36	1/4	2,264.05	1/4	2,625.73	1/4	2,987.26	1/4	3,348.81
1/2	102.17	1/2	463.68	1/2	825.34	1/2	1,186.61	1/2	1,548.21	1/2	1,909.90	1/2	2,271.58	1/2	2,633.26	1/2	2,994.80	1/2	3,356.34
3/4	109.62	3/4	471.21	3/4	832.88	3/4	1,194.13	3/4	1,555.75	3/4	1,917.43	3/4	2,279.12	3/4	2,640.78	3/4	3,002.33	3/4	3,363.87
4	117.08	4	478.74	4	840.41	4	1,201.65	4	1,563.28	4	1,924.97	4	2,286.65	4	2,648.31	4	3,009.86	4	3,371.41
1/4	124.61	1/4	486.28	1/4	847.94	1/4	1,209.18	1/4	1,570.82	1/4	1,932.50	1/4	2,294.19	1/4	2,655.85	1/4	3,017.39	1/4	3,378.94
1/2	132.15	1/2	493.81	1/2	855.48	1/2	1,216.70	1/2	1,578.35	1/2	1,940.04	1/2	2,301.72	1/2	2,663.38	1/2	3,024.92	1/2	3,386.47
3/4	139.68	3/4	501.35	3/4	863.01	3/4	1,224.22	3/4	1,585.89	3/4	1,947.57	3/4	2,309.26	3/4	2,670.91	3/4	3,032.46	3/4	3,394.00
5	147.22	5	508.88	5	870.55	5	1,231.74	5	1,593.42	5	1,955.11	5	2,316.79	5	2,678.44	5	3,039.99	5	3,401.53
1/4	154.75	1/4	516.42	1/4	878.08	1/4	1,239.28	1/4	1,600.96	1/4	1,962.64	1/4	2,324.33	1/4	2,685.97	1/4	3,047.52	1/4	3,409.07
1/2	162.29	1/2	523.95	1/2	885.62	1/2	1,246.81	1/2	1,608.49	1/2	1,970.18	1/2	2,331.86	1/2	2,693.51	1/2	3,055.05	1/2	3,416.60
3/4	169.82	3/4	531.49	3/4	893.15	3/4	1,254.35	3/4	1,616.03	3/4	1,977.71	3/4	2,339.40	3/4	2,701.04	3/4	3,062.58	3/4	3,424.13
6	177.36	6	539.02	6	900.69	6	1,261.88	6	1,623.56	6	1,985.25	6	2,346.93	6	2,708.57	6	3,070.12	6	3,431.66
1/4	184.89	1/4	546.56	1/4	908.22	1/4	1,269.41	1/4	1,631.10	1/4	1,992.78	1/4	2,354.47	1/4	2,716.10	1/4	3,077.65	1/4	3,439.19
1/2	192.43	1/2	554.09	1/2	915.76	1/2	1,276.95	1/2	1,638.63	1/2	2,000.32	1/2	2,362.00	1/2	2,723.64	1/2	3,085.18	1/2	3,446.73
3/4	199.96	3/4	561.63	3/4	923.29	3/4	1,284.48	3/4	1,646.17	3/4	2,007.85	3/4	2,369.54	3/4	2,731.17	3/4	3,092.71	3/4	3,454.26
7	207.50	7	569.16	7	930.83	7	1,292.02	7	1,653.70	7	2,015.39	7	2,377.07	7	2,738.70	7	3,100.25	7	3,461.79
1/4	215.03	1/4	576.70	1/4	938.35	1/4	1,299.55	1/4	1,661.24	1/4	2,022.92	1/4	2,384.61	1/4	2,746.23	1/4	3,107.78	1/4	3,469.32
1/2	222.56	1/2	584.23	1/2	945.88	1/2	1,307.09	1/2	1,668.77	1/2	2,030.46	1/2	2,392.14	1/2	2,753.76	1/2	3,115.31	1/2	3,476.86
3/4	230.10	3/4	591.77	3/4	953.40	3/4	1,314.62	3/4	1,676.31	3/4	2,037.99	3/4	2,399.68	3/4	2,761.30	3/4	3,122.84	3/4	3,484.39
8	237.63	8	599.30	8	960.93	8	1,322.16	8	1,683.84	8	2,045.53	8	2,407.21	8	2,768.83	8	3,130.37	8	3,491.92
1/4	245.17	1/4	606.83	1/4	968.45	1/4	1,329.69	1/4	1,691.38	1/4	2,053.06	1/4	2,414.75	1/4	2,776.36	1/4	3,137.91	1/4	3,499.45
1/2	252.70	1/2	614.37	1/2	975.97	1/2	1,337.23	1/2	1,698.91	1/2	2,060.60	1/2	2,422.28	1/2	2,783.89	1/2	3,145.44	1/2	3,506.98
3/4	260.24	3/4	621.90	3/4	983.49	3/4	1,344.77	3/4	1,706.45	3/4	2,068.13	3/4	2,429.82	3/4	2,791.43	3/4	3,152.97	3/4	3,514.52
9	267.77	9	629.44	9	991.02	9	1,352.30	9	1,713.99	9	2,075.67	9	2,437.35	9	2,798.96	9	3,160.50	9	3,522.05
1/4	275.31	1/4	636.97	1/4	998.54	1/4	1,359.84	1/4	1,721.52	1/4	2,083.20	1/4	2,444.89	1/4	2,806.49	1/4	3,168.04	1/4	3,529.58
1/2	282.84	1/2	644.51	1/2	1,006.06	1/2	1,367.37	1/2	1,729.06	1/2	2,090.74	1/2	2,452.42	1/2	2,814.02	1/2	3,175.57	1/2	3,537.11
3/4	290.38	3/4	652.04	3/4	1,013.59	3/4	1,374.91	3/4	1,736.59	3/4	2,098.28	3/4	2,459.96	3/4	2,821.55	3/4	3,183.10	3/4	3,544.65
10	297.91	10	659.58	10	1,021.11	10	1,382.44	10	1,744.13	10	2,105.81	10	2,467.50	10	2,829.09	10	3,190.63	10	3,552.18
1/4	305.45	1/4	667.11	1/4	1,028.63	1/4	1,389.98	1/4	1,751.66	1/4	2,113.35	1/4	2,475.03	1/4	2,836.62	1/4	3,198.16	1/4	3,559.71
1/2	312.98	1/2	674.65	1/2	1,036.15	1/2	1,397.51	1/2	1,759.20	1/2	2,120.82	1/2	2,482.57	1/2	2,844.15	1/2	3,205.70	1/2	3,567.24
3/4	320.52	3/4	682.18	3/4	1,043.68	3/4	1,405.05	3/4	1,766.73	3/4	2,128.48	3/4	2,490.10	3/4	2,851.68	3/4	3,213.23	3/4	3,574.77
11	328.05	11	689.72	11	1,051.20	11	1,412.58	11	1,774.27	11	2,135.95	11	2,497.64	11	2,859.22	11	3,220.76	11	3,582.31
1/4	335.59	1/4	697.25	1/4	1,058.72	1/4	1,420.12	1/4	1,781.80	1/4	2,143.49	1/4	2,505.17	1/4	2,866.75	1/4	3,228.29	1/4	3,589.84
1/2	343.12	1/2	704.79	1/2	1,066.24	1/2	1,427.65	1/2	1,789.34	1/2	2,151.02	1/2	2,512.71	1/2	2,874.28	1/2	3,235.83	1/2	3,597.37
3/4	350.65	3/4	712.32	3/4	1,073.77	3/4	1,435.19	3/4	1,796.87	3/4	2,158.56	3/4	2,520.24	3/4	2,881.81	3/4	3,243.36	3/4	3,604.90

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "EMS 527"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	
0	3,612.44	0	0	3,973.95	0	4,327.92	0	4,668.65	0	4,994.66	0	5,305.70	0	5,606.23	0	5,896.45	0	6,176.45	0	6,446.45	
1/4	3,619.97	1/4	0	3,981.45	1/4	4,335.14	1/4	4,675.60	1/4	5,001.24	1/4	5,312.28	1/4	5,612.81	1/4	5,902.96	1/4	6,182.96	1/4	6,452.96	
1/2	3,627.50	1/2	0	3,988.95	1/2	4,342.37	1/2	4,682.55	1/2	5,007.81	1/2	5,318.85	1/2	5,619.38	1/2	5,919.53	1/2	6,199.53	1/2	6,469.53	
3/4	3,635.03	3/4	0	3,996.45	3/4	4,349.59	3/4	4,689.50	3/4	5,014.39	3/4	5,325.43	3/4	5,625.96	3/4	5,926.11	3/4	6,206.11	3/4	6,476.11	
1	3,642.56	1	0	4,003.95	1	4,356.82	1	4,696.45	1	5,020.96	1	5,331.00	1	5,631.53	1	5,931.68	1	6,211.68	1	6,486.18	
1 1/4	3,650.10	1 1/4	0	4,011.43	1 1/4	4,364.02	1 1/4	4,703.35	1 1/4	5,027.51	1 1/4	5,337.55	1 1/4	5,638.08	1 1/4	5,938.23	1 1/4	6,218.23	1 1/4	6,491.23	
1 1/2	3,657.63	1 1/2	0	4,018.91	1 1/2	4,371.22	1 1/2	4,710.25	1 1/2	5,034.07	1 1/2	5,344.11	1 1/2	5,644.64	1 1/2	5,944.79	1 1/2	6,224.79	1 1/2	6,500.79	
3/4	3,665.16	3/4	0	4,026.39	3/4	4,378.42	3/4	4,717.15	3/4	5,040.62	3/4	5,350.66	3/4	5,651.19	3/4	5,951.34	3/4	6,230.34	3/4	6,506.34	
2	3,672.69	2	0	4,033.86	2	4,385.62	2	4,724.05	2	5,047.17	2	5,357.21	2	5,657.74	2	5,957.89	2	6,237.89	2	6,513.89	
1 1/4	3,680.23	1 1/4	0	4,041.32	1 1/4	4,392.80	1 1/4	4,730.92	1 1/4	5,053.70	1 1/4	5,363.74	1 1/4	5,664.27	1 1/4	5,964.42	1 1/4	6,244.42	1 1/4	6,520.42	
1 1/2	3,687.76	1 1/2	0	4,048.77	1 1/2	4,399.98	1 1/2	4,737.80	1 1/2	5,060.23	1 1/2	5,370.27	1 1/2	5,670.80	1 1/2	5,970.95	1 1/2	6,250.95	1 1/2	6,526.95	
3/4	3,695.29	3/4	0	4,056.23	3/4	4,407.16	3/4	4,744.67	3/4	5,066.76	3/4	5,376.80	3/4	5,677.33	3/4	5,977.48	3/4	6,257.48	3/4	6,533.48	
3	3,702.82	3	0	4,063.68	3	4,414.34	3	4,751.55	3	5,073.29	3	5,383.33	3	5,683.86	3	5,984.01	3	6,264.01	3	6,539.01	
1 1/4	3,710.35	1 1/4	0	4,071.11	1 1/4	4,421.50	1 1/4	4,758.40	1 1/4	5,079.80	1 1/4	5,389.84	1 1/4	5,690.37	1 1/4	5,990.52	1 1/4	6,270.52	1 1/4	6,545.52	
1 1/2	3,717.89	1 1/2	0	4,078.55	1 1/2	4,428.65	1 1/2	4,765.25	1 1/2	5,086.30	1 1/2	5,396.34	1 1/2	5,696.87	1 1/2	5,997.02	1 1/2	6,281.02	1 1/2	6,551.02	
3/4	3,725.42	3/4	0	4,085.98	3/4	4,435.81	3/4	4,772.10	3/4	5,092.81	3/4	5,402.85	3/4	5,703.38	3/4	6,003.53	3/4	6,291.53	3/4	6,557.53	
4	3,732.95	4	0	4,093.41	4	4,442.96	4	4,778.95	4	5,099.31	4	5,409.35	4	5,710.88	4	6,011.03	4	6,301.03	4	6,567.03	
1 1/4	3,740.48	1 1/4	0	4,100.82	1 1/4	4,450.10	1 1/4	4,785.78	1 1/4	5,105.80	1 1/4	5,415.84	1 1/4	5,717.37	1 1/4	6,018.52	1 1/4	6,308.52	1 1/4	6,574.52	
1 1/2	3,748.02	1 1/2	0	4,108.23	1 1/2	4,457.23	1 1/2	4,792.61	1 1/2	5,112.28	1 1/2	5,422.32	1 1/2	5,723.85	1 1/2	6,024.00	1 1/2	6,314.00	1 1/2	6,580.00	
3/4	3,755.55	3/4	0	4,115.64	3/4	4,464.36	3/4	4,799.44	3/4	5,118.76	3/4	5,428.80	3/4	5,739.33	3/4	6,040.48	3/4	6,330.48	3/4	6,596.48	
5	3,763.08	5	0	4,123.04	5	4,471.50	5	4,806.27	5	5,125.25	5	5,435.29	5	5,745.82	5	6,056.97	5	6,346.97	5	6,613.97	
1 1/4	3,770.61	1 1/4	0	4,130.43	1 1/4	4,478.61	1 1/4	4,813.07	1 1/4	5,132.42	1 1/4	5,442.46	1 1/4	5,752.99	1 1/4	6,063.14	1 1/4	6,353.14	1 1/4	6,620.14	
1 1/2	3,778.14	1 1/2	0	4,137.82	1 1/2	4,485.72	1 1/2	4,819.88	1 1/2	5,139.60	1 1/2	5,449.64	1 1/2	5,760.17	1 1/2	6,070.32	1 1/2	6,360.32	1 1/2	6,627.32	
3/4	3,785.68	3/4	0	4,145.20	3/4	4,492.83	3/4	4,826.68	3/4	5,146.78	3/4	5,456.82	3/4	5,767.35	3/4	6,077.50	3/4	6,367.50	3/4	6,634.50	
6	3,793.21	6	0	4,152.59	6	4,499.94	6	4,833.49	6	5,153.96	6	5,463.00	6	5,773.53	6	6,083.68	6	6,373.68	6	6,640.68	
1 1/4	3,800.74	1 1/4	0	4,159.95	1 1/4	4,507.02	1 1/4	4,840.27	1 1/4	5,160.27	1 1/4	5,470.31	1 1/4	5,780.84	1 1/4	6,090.99	1 1/4	6,380.99	1 1/4	6,648.99	
1 1/2	3,808.27	1 1/2	0	4,167.31	1 1/2	4,514.11	1 1/2	4,847.05	1 1/2	5,166.59	1 1/2	5,476.63	1 1/2	5,787.16	1 1/2	6,097.31	1 1/2	6,387.31	1 1/2	6,655.31	
3/4	3,815.80	3/4	0	4,174.68	3/4	4,521.20	3/4	4,853.83	3/4	5,172.90	3/4	5,482.94	3/4	5,793.47	3/4	6,103.62	3/4	6,393.62	3/4	6,661.62	
7	3,823.34	7	0	4,182.04	7	4,528.29	7	4,860.62	7	5,179.22	7	5,489.33	7	5,799.86	7	6,110.01	7	6,400.01	7	6,668.01	
1 1/4	3,830.87	1 1/4	0	4,189.38	1 1/4	4,535.35	1 1/4	4,867.38	1 1/4	5,186.32	1 1/4	5,495.43	1 1/4	5,805.96	1 1/4	6,116.11	1 1/4	6,406.11	1 1/4	6,674.11	
1 1/2	3,838.40	1 1/2	0	4,196.72	1 1/2	4,542.41	1 1/2	4,874.13	1 1/2	5,193.43	1 1/2	5,502.54	1 1/2	5,812.07	1 1/2	6,122.22	1 1/2	6,412.22	1 1/2	6,682.22	
3/4	3,845.93	3/4	0	4,204.06	3/4	4,549.48	3/4	4,880.89	3/4	5,199.53	3/4	5,508.64	3/4	5,818.17	3/4	6,128.32	3/4	6,418.32	3/4	6,690.32	
8	3,853.47	8	0	4,211.40	8	4,556.54	8	4,887.65	8	5,199.63	8	5,509.74	8	5,819.27	8	6,129.42	8	6,419.42	8	6,691.42	
1 1/4	3,861.00	1 1/4	0	4,218.71	1 1/4	4,563.58	1 1/4	4,894.39	1 1/4	5,206.85	1 1/4	5,515.96	1 1/4	5,825.49	1 1/4	6,135.64	1 1/4	6,425.64	1 1/4	6,701.64	
1 1/2	3,868.53	1 1/2	0	4,226.03	1 1/2	4,570.62	1 1/2	4,901.13	1 1/2	5,213.96	1 1/2	5,523.07	1 1/2	5,832.60	1 1/2	6,142.75	1 1/2	6,432.75	1 1/2	6,708.75	
3/4	3,876.06	3/4	0	4,233.35	3/4	4,577.67	3/4	4,907.86	3/4	5,221.07	3/4	5,530.18	3/4	5,839.71	3/4	6,149.86	3/4	6,439.86	3/4	6,715.86	
9	3,883.59	9	0	4,240.67	9	4,584.71	9	4,914.60	9	5,228.18	9	5,537.29	9	5,846.82	9	6,156.97	9	6,446.97	9	6,722.97	
1 1/4	3,891.13	1 1/4	0	4,247.96	1 1/4	4,591.73	1 1/4	4,921.31	1 1/4	5,235.29	1 1/4	5,544.40	1 1/4	5,853.93	1 1/4	6,164.08	1 1/4	6,454.08	1 1/4	6,730.08	
1 1/2	3,898.66	1 1/2	0	4,255.25	1 1/2	4,598.74	1 1/2	4,928.03	1 1/2	5,242.39	1 1/2	5,551.50	1 1/2	5,861.03	1 1/2	6,171.19	1 1/2	6,461.19	1 1/2	6,737.19	
3/4	3,906.19	3/4	0	4,262.55	3/4	4,605.76	3/4	4,934.75	3/4	5,249.49	3/4	5,558.60	3/4	5,868.13	3/4	6,178.29	3/4	6,468.29	3/4	6,744.29	
10	3,913.72	10	0	4,269.84	10	4,612.78	10	4,941.46	10	5,256.59	10	5,565.70	10	5,875.23	10	6,185.38	10	6,475.38	10	6,750.38	
1 1/4	3,921.26	1 1/4	0	4,277.11	1 1/4	4,619.78	1 1/4	4,948.15	1 1/4	5,263.69	1 1/4	5,572.80	1 1/4	5,882.33	1 1/4	6,192.48	1 1/4	6,482.48	1 1/4	6,758.48	
1 1/2	3,928.79	1 1/2	0	4,284.38	1 1/2	4,626.77	1 1/2	4,954.85	1 1/2	5,270.79	1 1/2	5,580.90	1 1/2	5,890.43	1 1/2	6,200.58	1 1/2	6,492.58	1 1/2	6,766.58	
3/4	3,936.32	3/4	0	4,291.65	3/4	4,633.77	3/4	4,961.54	3/4	5,277.89	3/4	5,587.00	3/4	5,896.53	3/4	6,207.68	3/4	6,502.68	3/4	6,774.68	
11	3,943.85	11	0	4,298.92	11	4,640.76	11	4,968.23	11	5,284.98	11	5,594.09	11	5,903.62	11	6,214.79	11	6,513.79	11	6,782.79	
1 1/4	3,951.38	1 1/4	0	4,306.17	1 1/4	4,647.73	1 1/4	4,974.84	1 1/4	5,292.08	1 1/4	5,601.19	1 1/4	5,910.72	1 1/4	6,221.89	1 1/4	6,521.89	1 1/4	6,790.89	
1 1/2	3,958.90	1 1/2	0	4,313.42	1 1/2	4,654.71	1 1/2	4,981.45	1 1/2	5,299.18	1 1/2	5,608.29	1 1/2	5,917.82	1 1/2	6,228.99	1 1/2	6,538.99	1 1/2	6,800.99	
3/4	3,966.43	3/4	0	4,320.67	3/4	4,661.68	3/4	4,988.05	3/4	5,306.28	3/4	5,615.39	3/4	5,924.92	3/4	6,236.09	3/4	6,546.09	3/4	6,808.09	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77568
<http://www.pmacorp.net>



BARGE "EMS 52"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	21.34	0	356.24	0	719.95	0	1,073.64	0	1,426.99	0	1,788.71	0	2,150.43	0	2,512.16	0	2,873.79	0	3,235.39
1/4	25.57	1/4	365.77	1/4	727.49	1/4	1,080.82	1/4	1,434.52	1/4	1,796.25	1/4	2,157.97	1/4	2,519.69	1/4	2,881.33	1/4	3,242.92
1/2	29.81	1/2	373.31	1/2	735.02	1/2	1,088.02	1/2	1,442.06	1/2	1,803.78	1/2	2,165.51	1/2	2,527.23	1/2	2,888.86	1/2	3,250.45
3/4	34.05	3/4	380.84	3/4	742.56	3/4	1,095.21	3/4	1,449.60	3/4	1,811.32	3/4	2,173.04	3/4	2,534.77	3/4	2,896.39	3/4	3,257.99
1	38.29	1	388.38	1	750.09	1	1,102.40	1	1,457.13	1	1,818.85	1	2,180.58	1	2,542.30	1	2,903.93	1	3,265.52
1/4	43.78	1/4	395.91	1/4	757.63	1/4	1,109.60	1/4	1,464.67	1/4	1,826.39	1/4	2,188.11	1/4	2,549.84	1/4	2,911.46	1/4	3,273.05
1/2	49.28	1/2	403.45	1/2	765.16	1/2	1,116.79	1/2	1,472.20	1/2	1,833.93	1/2	2,195.65	1/2	2,557.37	1/2	2,918.99	1/2	3,280.59
3/4	54.77	3/4	410.99	3/4	772.70	3/4	1,123.98	3/4	1,479.74	3/4	1,841.46	3/4	2,203.19	3/4	2,564.91	3/4	2,926.53	3/4	3,288.12
2	60.26	2	418.52	2	780.24	2	1,131.17	2	1,487.28	2	1,849.00	2	2,210.72	2	2,572.44	2	2,934.06	2	3,295.65
1/4	67.01	1/4	426.06	1/4	787.77	1/4	1,138.37	1/4	1,494.81	1/4	1,856.53	1/4	2,218.26	1/4	2,579.98	1/4	2,941.59	1/4	3,303.19
1/2	73.76	1/2	433.59	1/2	795.31	1/2	1,145.56	1/2	1,502.35	1/2	1,864.07	1/2	2,225.79	1/2	2,587.52	1/2	2,949.12	1/2	3,310.72
3/4	80.51	3/4	441.13	3/4	802.84	3/4	1,152.75	3/4	1,509.88	3/4	1,871.61	3/4	2,233.33	3/4	2,595.05	3/4	2,956.66	3/4	3,318.25
3	87.27	3	448.66	3	810.38	3	1,159.94	3	1,517.42	3	1,879.14	3	2,240.87	3	2,602.59	3	2,964.19	3	3,325.78
1/4	94.72	1/4	456.20	1/4	817.91	1/4	1,167.14	1/4	1,524.95	1/4	1,886.68	1/4	2,248.40	1/4	2,610.12	1/4	2,971.72	1/4	3,333.32
1/2	102.18	1/2	463.74	1/2	825.45	1/2	1,174.33	1/2	1,532.49	1/2	1,894.21	1/2	2,255.94	1/2	2,617.66	1/2	2,979.26	1/2	3,340.85
3/4	109.64	3/4	471.27	3/4	832.99	3/4	1,181.52	3/4	1,540.03	3/4	1,901.75	3/4	2,263.47	3/4	2,625.20	3/4	2,986.79	3/4	3,348.38
4	117.09	4	478.81	4	840.52	4	1,188.71	4	1,547.56	4	1,909.29	4	2,271.01	4	2,632.73	4	2,994.32	4	3,355.92
1/4	124.63	1/4	486.34	1/4	848.06	1/4	1,195.90	1/4	1,555.10	1/4	1,916.82	1/4	2,278.54	1/4	2,640.26	1/4	3,001.86	1/4	3,363.45
1/2	132.17	1/2	493.88	1/2	855.59	1/2	1,203.10	1/2	1,562.63	1/2	1,924.36	1/2	2,286.08	1/2	2,647.80	1/2	3,009.39	1/2	3,370.98
3/4	139.70	3/4	501.41	3/4	863.13	3/4	1,210.29	3/4	1,570.17	3/4	1,931.89	3/4	2,293.62	3/4	2,655.33	3/4	3,016.92	3/4	3,378.52
5	147.24	5	508.95	5	870.66	5	1,217.48	5	1,577.71	5	1,939.93	5	2,301.15	5	2,662.86	5	3,024.46	5	3,386.05
1/4	154.77	1/4	516.49	1/4	878.20	1/4	1,224.68	1/4	1,585.24	1/4	1,946.96	1/4	2,308.69	1/4	2,670.40	1/4	3,031.99	1/4	3,393.58
1/2	162.31	1/2	524.02	1/2	885.74	1/2	1,231.89	1/2	1,592.78	1/2	1,954.50	1/2	2,316.22	1/2	2,677.93	1/2	3,039.52	1/2	3,401.12
3/4	169.84	3/4	531.56	3/4	893.27	3/4	1,239.09	3/4	1,600.34	3/4	1,962.04	3/4	2,323.76	3/4	2,685.46	3/4	3,047.06	3/4	3,408.65
6	177.38	6	539.09	6	900.81	6	1,246.29	6	1,607.85	6	1,969.57	6	2,331.30	6	2,693.00	6	3,054.59	6	3,416.18
1/4	184.92	1/4	546.63	1/4	908.05	1/4	1,253.79	1/4	1,615.39	1/4	1,977.11	1/4	2,338.83	1/4	2,700.53	1/4	3,062.12	1/4	3,423.72
1/2	192.45	1/2	554.16	1/2	915.30	1/2	1,261.28	1/2	1,622.92	1/2	1,984.64	1/2	2,346.37	1/2	2,708.06	1/2	3,069.66	1/2	3,431.25
3/4	199.99	3/4	561.70	3/4	922.54	3/4	1,268.78	3/4	1,630.46	3/4	1,992.18	3/4	2,353.90	3/4	2,715.60	3/4	3,077.19	3/4	3,438.78
7	207.52	7	569.24	7	929.78	7	1,276.27	7	1,637.99	7	1,999.72	7	2,361.44	7	2,723.13	7	3,084.72	7	3,446.32
1/4	215.06	1/4	576.77	1/4	936.98	1/4	1,283.81	1/4	1,645.53	1/4	2,007.25	1/4	2,368.98	1/4	2,730.66	1/4	3,092.26	1/4	3,453.85
1/2	222.59	1/2	584.31	1/2	944.17	1/2	1,291.34	1/2	1,653.06	1/2	2,014.79	1/2	2,376.51	1/2	2,738.20	1/2	3,099.79	1/2	3,461.38
3/4	230.13	3/4	591.84	3/4	951.36	3/4	1,298.88	3/4	1,660.60	3/4	2,022.32	3/4	2,384.05	3/4	2,745.73	3/4	3,107.32	3/4	3,468.92
8	237.67	8	598.38	8	958.56	8	1,306.41	8	1,668.14	8	2,029.86	8	2,391.58	8	2,753.26	8	3,114.86	8	3,476.45
1/4	245.20	1/4	606.91	1/4	965.75	1/4	1,313.95	1/4	1,675.67	1/4	2,037.40	1/4	2,399.12	1/4	2,760.80	1/4	3,122.39	1/4	3,483.98
1/2	252.74	1/2	614.45	1/2	972.94	1/2	1,321.49	1/2	1,683.21	1/2	2,044.93	1/2	2,406.65	1/2	2,768.33	1/2	3,129.92	1/2	3,491.52
3/4	260.27	3/4	621.99	3/4	980.14	3/4	1,329.02	3/4	1,690.74	3/4	2,052.47	3/4	2,414.19	3/4	2,775.86	3/4	3,137.45	3/4	3,499.05
9	267.81	9	629.52	9	987.33	9	1,336.56	9	1,698.28	9	2,060.00	9	2,421.73	9	2,783.39	9	3,144.99	9	3,506.58
1/4	275.34	1/4	637.06	1/4	994.52	1/4	1,344.09	1/4	1,705.82	1/4	2,067.54	1/4	2,429.26	1/4	2,790.93	1/4	3,152.52	1/4	3,514.11
1/2	282.88	1/2	644.59	1/2	1,001.71	1/2	1,351.63	1/2	1,713.35	1/2	2,075.08	1/2	2,436.80	1/2	2,798.46	1/2	3,160.05	1/2	3,521.65
3/4	290.41	3/4	652.13	3/4	1,008.90	3/4	1,359.16	3/4	1,720.89	3/4	2,082.61	3/4	2,444.33	3/4	2,805.99	3/4	3,167.59	3/4	3,529.18
10	297.95	10	659.66	10	1,016.10	10	1,366.70	10	1,728.42	10	2,090.15	10	2,451.87	10	2,813.53	10	3,175.12	10	3,536.71
1/4	305.49	1/4	667.20	1/4	1,023.29	1/4	1,374.24	1/4	1,735.96	1/4	2,097.68	1/4	2,459.41	1/4	2,821.06	1/4	3,182.65	1/4	3,544.25
1/2	313.02	1/2	674.74	1/2	1,030.48	1/2	1,381.77	1/2	1,743.50	1/2	2,105.22	1/2	2,466.94	1/2	2,828.59	1/2	3,190.19	1/2	3,551.78
3/4	320.56	3/4	682.27	3/4	1,037.67	3/4	1,389.31	3/4	1,751.03	3/4	2,112.75	3/4	2,474.48	3/4	2,836.13	3/4	3,197.72	3/4	3,559.31
11	328.09	11	689.81	11	1,044.87	11	1,396.84	11	1,758.57	11	2,120.29	11	2,482.01	11	2,843.66	11	3,205.25	11	3,566.85
1/4	335.63	1/4	697.34	1/4	1,052.06	1/4	1,404.38	1/4	1,766.10	1/4	2,127.83	1/4	2,489.55	1/4	2,851.19	1/4	3,212.79	1/4	3,574.38
1/2	343.16	1/2	704.88	1/2	1,059.55	1/2	1,411.92	1/2	1,773.64	1/2	2,135.36	1/2	2,497.09	1/2	2,858.73	1/2	3,220.32	1/2	3,581.91
3/4	350.70	3/4	712.41	3/4	1,066.44	3/4	1,419.45	3/4	1,781.18	3/4	2,142.90	3/4	2,504.62	3/4	2,866.26	3/4	3,227.85	3/4	3,589.45

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

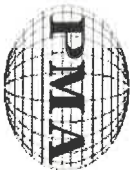
PRECISION MEASUREMENT

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BARGE "EMS 52"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS																	GAUGE HEIGHT 15'-07 1/2"				
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.		
0	3,596.98	0	3,958.53	0	4,312.54	0	4,653.30	0	4,979.34	0		0		0		0					
1/4	3,604.51	1/4	3,966.03	1/4	4,319.76	1/4	4,660.25	1/4	4,985.92	1/4		1/4		1/4		1/4		1/4			
1/2	3,612.05	1/2	3,973.53	1/2	4,326.99	1/2	4,667.20	1/2	4,992.49	1/2		1/2		1/2		1/2		1/2			
3/4	3,619.58	3/4	3,981.03	3/4	4,334.21	3/4	4,674.15	3/4	4,999.07	3/4		3/4		3/4		3/4		3/4			
1	3,627.11	1	3,988.53	1	4,341.44	1	4,681.10	1	5,005.64	1		1		1		1		1			
1/4	3,634.65	1/4	3,996.01	1/4	4,348.64	1/4	4,688.00	1/4	5,012.20	1/4		1/4		1/4		1/4		1/4			
1/2	3,642.18	1/2	4,003.49	1/2	4,355.84	1/2	4,694.91	1/2	5,018.75	1/2		1/2		1/2		1/2		1/2			
3/4	3,649.71	3/4	4,010.97	3/4	4,363.05	3/4	4,701.81	3/4	5,025.30	3/4		3/4		3/4		3/4		3/4			
2	3,657.25	2	4,018.45	2	4,370.25	2	4,708.71	2	5,031.86	2		2		2		2		2			
1/4	3,664.78	1/4	4,025.90	1/4	4,377.43	1/4	4,715.58	1/4	5,038.39	1/4		1/4		1/4		1/4		1/4			
1/2	3,672.31	1/2	4,033.36	1/2	4,384.61	1/2	4,722.46	1/2	5,044.92	1/2		1/2		1/2		1/2		1/2			
3/4	3,679.85	3/4	4,040.82	3/4	4,391.79	3/4	4,729.33	3/4	5,051.44	3/4		3/4		3/4		3/4		3/4			
3	3,687.38	3	4,048.27	3	4,398.97	3	4,736.21	3	5,057.97	3		3		3		3		3			
1/4	3,694.91	1/4	4,055.70	1/4	4,406.13	1/4	4,743.06	1/4	5,064.48	1/4		1/4		1/4		1/4		1/4			
1/2	3,702.44	1/2	4,063.14	1/2	4,413.28	1/2	4,749.91	1/2	5,070.99	1/2		1/2		1/2		1/2		1/2			
3/4	3,709.98	3/4	4,070.57	3/4	4,420.44	3/4	4,756.76	3/4	5,077.49	3/4		3/4		3/4		3/4		3/4			
4	3,717.51	4	4,078.00	4	4,427.60	4	4,763.62	4	5,084.00	4		4		4		4		4			
1/4	3,725.04	1/4	4,085.41	1/4	4,434.73	1/4	4,770.44	1/4	5,090.49	1/4		1/4		1/4		1/4		1/4			
1/2	3,732.58	1/2	4,092.82	1/2	4,441.86	1/2	4,777.27	1/2	5,096.97	1/2		1/2		1/2		1/2		1/2			
3/4	3,740.11	3/4	4,100.23	3/4	4,449.00	3/4	4,784.10	3/4	5,103.45	3/4		3/4		3/4		3/4		3/4			
5	3,747.64	5	4,107.64	5	4,456.13	5	4,790.93	5	5,109.94	5		5		5		5		5			
1/4	3,755.18	1/4	4,115.03	1/4	4,463.24	1/4	4,797.74	1/4	5,117.12	1/4		1/4		1/4		1/4		1/4			
1/2	3,762.71	1/2	4,122.41	1/2	4,470.35	1/2	4,804.54	1/2	5,124.30	1/2		1/2		1/2		1/2		1/2			
3/4	3,770.24	3/4	4,129.80	3/4	4,477.46	3/4	4,811.35	3/4	5,131.47	3/4		3/4		3/4		3/4		3/4			
6	3,777.78	6	4,137.19	6	4,484.57	6	4,816.15	6	5,138.65	6		6		6		6		6			
1/4	3,785.31	1/4	4,144.55	1/4	4,491.66	1/4	4,824.94	1/4	5,144.97	1/4		1/4		1/4		1/4		1/4			
1/2	3,792.84	1/2	4,151.91	1/2	4,498.75	1/2	4,831.72	1/2	5,151.29	1/2		1/2		1/2		1/2		1/2			
3/4	3,800.38	3/4	4,159.28	3/4	4,505.84	3/4	4,838.50	3/4	5,157.60	3/4		3/4		3/4		3/4		3/4			
7	3,807.91	7	4,166.64	7	4,512.93	7	4,845.29	7	5,163.92	7		7		7		7		7			
1/4	3,815.44	1/4	4,173.98	1/4	4,519.99	1/4	4,852.05	1/4	5,169.02	1/4		1/4		1/4		1/4		1/4			
1/2	3,822.98	1/2	4,181.32	1/2	4,527.06	1/2	4,858.81	1/2	5,174.13	1/2		1/2		1/2		1/2		1/2			
3/4	3,830.51	3/4	4,188.66	3/4	4,534.12	3/4	4,865.57	3/4	5,179.23	3/4		3/4		3/4		3/4		3/4			
8	3,838.04	8	4,196.00	8	4,541.18	8	4,872.33	8	5,184.34	8		8		8		8		8			
1/4	3,845.58	1/4	4,203.32	1/4	4,548.23	1/4	4,879.06	1/4	=====	1/4		1/4		1/4		1/4		1/4			
1/2	3,853.11	1/2	4,210.64	1/2	4,555.27	1/2	4,885.80	1/2		1/2		1/2		1/2		1/2		1/2			
3/4	3,860.64	3/4	4,217.96	3/4	4,562.31	3/4	4,892.54	3/4		3/4		3/4		3/4		3/4		3/4			
9	3,868.18	9	4,225.27	9	4,569.35	9	4,899.27	9		9		9		9		9		9			
1/4	3,875.71	1/4	4,232.57	1/4	4,576.37	1/4	4,905.99	1/4		1/4		1/4		1/4		1/4		1/4			
1/2	3,883.24	1/2	4,239.86	1/2	4,583.39	1/2	4,912.71	1/2		1/2		1/2		1/2		1/2		1/2			
3/4	3,890.77	3/4	4,247.16	3/4	4,590.41	3/4	4,919.42	3/4		3/4		3/4		3/4		3/4		3/4			
10	3,898.31	10	4,254.45	10	4,597.43	10	4,926.14	10		10		10		10		10		10			
1/4	3,905.84	1/4	4,261.73	1/4	4,604.42	1/4	4,932.83	1/4		1/4		1/4		1/4		1/4		1/4			
1/2	3,913.37	1/2	4,269.00	1/2	4,611.42	1/2	4,939.52	1/2		1/2		1/2		1/2		1/2		1/2			
3/4	3,920.91	3/4	4,276.27	3/4	4,618.42	3/4	4,946.22	3/4		3/4		3/4		3/4		3/4		3/4			
11	3,928.44	11	4,283.54	11	4,625.41	11	4,952.91	11		11		11		11		11		11			
1/4	3,935.96	1/4	4,290.79	1/4	4,632.38	1/4	4,959.52	1/4		1/4		1/4		1/4		1/4		1/4			
1/2	3,943.48	1/2	4,298.04	1/2	4,639.36	1/2	4,966.13	1/2		1/2		1/2		1/2		1/2		1/2			
3/4	3,951.01	3/4	4,305.29	3/4	4,646.33	3/4	4,972.73	3/4		3/4		3/4		3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

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



BARGE "EMS 527"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
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	21.26	0	356.87	0	717.19	0	1,077.32	0	1,437.49	0	1,797.83	0	2,158.15	0	2,518.41	0	2,878.47	0	3,237.65
1/4	25.48	1/4	364.37	1/4	724.70	1/4	1,084.82	1/4	1,445.00	1/4	1,805.34	1/4	2,165.65	1/4	2,525.91	1/4	2,885.96	1/4	3,245.11
1/2	29.70	1/2	371.88	1/2	732.21	1/2	1,092.31	1/2	1,452.51	1/2	1,812.85	1/2	2,173.16	1/2	2,533.42	1/2	2,893.45	1/2	3,252.57
3/4	33.92	3/4	379.39	3/4	739.71	3/4	1,099.81	3/4	1,460.01	3/4	1,820.35	3/4	2,180.66	3/4	2,540.92	3/4	2,900.92	3/4	3,260.02
1	38.14	1	386.89	1	747.22	1	1,107.31	1	1,467.52	1	1,827.86	1	2,188.17	1	2,548.43	1	2,908.43	1	3,267.48
1/4	43.62	1/4	394.40	1/4	754.73	1/4	1,114.81	1/4	1,475.03	1/4	1,835.37	1/4	2,195.68	1/4	2,555.93	1/4	2,915.93	1/4	3,274.94
1/2	49.09	1/2	401.91	1/2	762.23	1/2	1,122.31	1/2	1,482.88	1/2	1,842.88	1/2	2,203.18	1/2	2,563.44	1/2	2,923.42	1/2	3,282.92
3/4	54.56	3/4	409.41	3/4	769.74	3/4	1,129.80	3/4	1,490.04	3/4	1,850.38	3/4	2,210.69	3/4	2,570.95	3/4	2,930.91	3/4	3,289.85
2	60.04	2	416.92	2	777.25	2	1,137.30	2	1,497.55	2	1,857.89	2	2,218.19	2	2,578.45	2	2,938.40	2	3,297.31
1/4	66.76	1/4	424.43	1/4	784.75	1/4	1,144.80	1/4	1,505.06	1/4	1,865.40	1/4	2,225.70	1/4	2,585.96	1/4	2,945.89	1/4	3,304.76
1/2	73.49	1/2	431.94	1/2	792.26	1/2	1,152.30	1/2	1,512.56	1/2	1,872.90	1/2	2,233.20	1/2	2,593.46	1/2	2,953.38	1/2	3,312.22
3/4	80.21	3/4	439.44	3/4	799.77	3/4	1,159.79	3/4	1,520.07	3/4	1,880.41	3/4	2,240.71	3/4	2,600.97	3/4	2,960.87	3/4	3,319.68
3	86.94	3	446.95	3	807.28	3	1,167.29	3	1,527.58	3	1,897.92	3	2,248.21	3	2,608.47	3	2,968.36	3	3,327.13
1/4	94.36	1/4	454.46	1/4	814.78	1/4	1,174.79	1/4	1,535.08	1/4	1,905.43	1/4	2,255.72	1/4	2,615.98	1/4	2,975.98	1/4	3,334.61
1/2	101.79	1/2	461.96	1/2	822.29	1/2	1,182.29	1/2	1,542.59	1/2	1,902.93	1/2	2,263.22	1/2	2,623.48	1/2	2,983.35	1/2	3,342.08
3/4	109.22	3/4	469.47	3/4	829.80	3/4	1,189.78	3/4	1,550.10	3/4	1,910.44	3/4	2,270.73	3/4	2,630.98	3/4	2,990.84	3/4	3,349.55
4	116.65	4	476.98	4	837.30	4	1,197.28	4	1,557.61	4	1,917.95	4	2,278.24	4	2,638.48	4	2,998.33	4	3,357.02
1/4	124.16	1/4	484.48	1/4	844.81	1/4	1,204.79	1/4	1,565.11	1/4	1,925.45	1/4	2,285.74	1/4	2,645.99	1/4	3,005.82	1/4	3,364.49
1/2	131.66	1/2	491.99	1/2	852.32	1/2	1,212.29	1/2	1,572.62	1/2	1,932.96	1/2	2,293.25	1/2	2,653.49	1/2	3,013.31	1/2	3,371.96
3/4	139.17	3/4	499.50	3/4	859.82	3/4	1,219.79	3/4	1,580.13	3/4	1,940.47	3/4	2,300.75	3/4	2,661.00	3/4	3,020.80	3/4	3,379.43
5	146.68	5	507.00	5	867.33	5	1,227.29	5	1,587.63	5	1,947.97	5	2,308.26	5	2,668.50	5	3,028.29	5	3,386.91
1/4	154.18	1/4	514.51	1/4	874.84	1/4	1,234.80	1/4	1,595.14	1/4	1,955.48	1/4	2,315.76	1/4	2,676.00	1/4	3,035.79	1/4	3,394.38
1/2	161.69	1/2	522.02	1/2	882.34	1/2	1,242.31	1/2	1,602.65	1/2	1,962.99	1/2	2,323.27	1/2	2,683.51	1/2	3,043.28	1/2	3,401.85
3/4	169.20	3/4	529.52	3/4	889.85	3/4	1,249.81	3/4	1,610.16	3/4	1,970.50	3/4	2,330.77	3/4	2,691.01	3/4	3,050.77	3/4	3,409.32
6	176.70	6	537.03	6	897.36	6	1,257.32	6	1,617.66	6	1,978.51	6	2,338.28	6	2,698.52	6	3,058.26	6	3,416.80
1/4	184.21	1/4	544.54	1/4	904.86	1/4	1,264.83	1/4	1,625.17	1/4	1,985.51	1/4	2,345.78	1/4	2,706.02	1/4	3,065.75	1/4	3,424.27
1/2	191.72	1/2	552.04	1/2	912.36	1/2	1,272.34	1/2	1,632.68	1/2	1,993.02	1/2	2,353.29	1/2	2,713.52	1/2	3,073.24	1/2	3,431.74
3/4	199.22	3/4	559.55	3/4	919.86	3/4	1,279.84	3/4	1,640.18	3/4	2,000.52	3/4	2,360.79	3/4	2,721.03	3/4	3,080.73	3/4	3,439.21
7	206.73	7	567.06	7	927.37	7	1,287.35	7	1,647.69	7	2,008.03	7	2,368.30	7	2,728.53	7	3,088.22	7	3,446.69
1/4	214.24	1/4	574.56	1/4	934.86	1/4	1,294.86	1/4	1,655.20	1/4	2,015.54	1/4	2,375.81	1/4	2,736.03	1/4	3,095.71	1/4	3,454.16
1/2	221.74	1/2	582.07	1/2	942.36	1/2	1,302.36	1/2	1,662.70	1/2	2,023.05	1/2	2,383.31	1/2	2,743.54	1/2	3,103.21	1/2	3,461.63
3/4	229.25	3/4	589.58	3/4	949.86	3/4	1,309.87	3/4	1,670.21	3/4	2,030.55	3/4	2,390.82	3/4	2,751.04	3/4	3,110.70	3/4	3,469.10
8	236.76	8	597.08	8	957.35	8	1,317.38	8	1,677.72	8	2,038.06	8	2,398.32	8	2,758.55	8	3,118.19	8	3,476.58
1/4	244.27	1/4	604.59	1/4	964.85	1/4	1,324.89	1/4	1,685.23	1/4	2,045.57	1/4	2,405.83	1/4	2,766.05	1/4	3,125.68	1/4	3,484.05
1/2	251.77	1/2	612.10	1/2	972.35	1/2	1,332.39	1/2	1,692.73	1/2	2,053.07	1/2	2,413.33	1/2	2,773.56	1/2	3,133.17	1/2	3,491.52
3/4	259.28	3/4	619.61	3/4	979.85	3/4	1,339.90	3/4	1,700.24	3/4	2,060.58	3/4	2,420.84	3/4	2,781.06	3/4	3,140.66	3/4	3,498.99
9	266.79	9	627.11	9	987.35	9	1,347.41	9	1,707.75	9	2,068.08	9	2,428.34	9	2,788.57	9	3,148.15	9	3,506.47
1/4	274.29	1/4	634.62	1/4	994.84	1/4	1,354.91	1/4	1,715.25	1/4	2,075.59	1/4	2,435.85	1/4	2,796.06	1/4	3,155.61	1/4	3,510.93
1/2	281.80	1/2	642.13	1/2	1,002.34	1/2	1,362.42	1/2	1,722.76	1/2	2,083.09	1/2	2,443.35	1/2	2,803.55	1/2	3,163.07	1/2	3,515.40
3/4	289.31	3/4	649.63	3/4	1,009.84	3/4	1,369.93	3/4	1,730.27	3/4	2,090.60	3/4	2,450.86	3/4	2,811.05	3/4	3,170.54	3/4	3,519.87
10	296.81	10	657.14	10	1,017.34	10	1,377.44	10	1,737.78	10	2,098.11	10	2,458.36	10	2,818.54	10	3,178.00	10	3,524.34
1/4	304.32	1/4	664.65	1/4	1,024.84	1/4	1,384.94	1/4	1,745.28	1/4	2,105.61	1/4	2,465.87	1/4	2,826.03	1/4	3,185.45	1/4	3,528.88
1/2	311.83	1/2	672.15	1/2	1,032.33	1/2	1,392.45	1/2	1,752.79	1/2	2,113.12	1/2	2,473.38	1/2	2,833.52	1/2	3,192.91	1/2	3,532.42
3/4	319.33	3/4	679.66	3/4	1,039.96	3/4	1,399.96	3/4	1,760.30	3/4	2,120.62	3/4	2,480.88	3/4	2,841.01	3/4	3,200.37	3/4	3,536.46
11	326.84	11	687.17	11	1,047.33	11	1,407.46	11	1,767.80	11	2,128.13	11	2,488.39	11	2,848.51	11	3,207.82	11	3,540.50
1/4	334.35	1/4	694.67	1/4	1,054.83	1/4	1,414.97	1/4	1,775.31	1/4	2,135.63	1/4	2,495.89	1/4	2,856.00	1/4	3,215.28	1/4	3,544.54
1/2	341.85	1/2	702.18	1/2	1,062.32	1/2	1,422.48	1/2	1,782.82	1/2	2,143.13	1/2	2,503.40	1/2	2,863.49	1/2	3,222.74	1/2	3,548.58
3/4	349.36	3/4	709.69	3/4	1,069.82	3/4	1,429.98	3/4	1,790.33	3/4	2,150.64	3/4	2,510.90	3/4	2,870.98	3/4	3,230.19	3/4	3,552.62

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NMMS 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" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pma-inc.net>



BARGE "EMS 527"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,556.66	1/4	3,750.53	1/4	3,940.36	1/4	4,123.10	1/4	4,297.98	1/4	4,471.86	1/4	4,645.74	1/4	4,819.61	1/4	4,993.49	1/4	5,167.36
1/4	3,560.70	1/2	3,754.55	1/2	3,944.24	1/2	4,126.83	1/2	4,301.50	1/2	4,476.19	1/2	4,650.86	1/2	4,825.53	1/2	4,999.91	1/2	5,174.58
1/2	3,564.74	3/4	3,758.57	3/4	3,948.11	3/4	4,130.55	3/4	4,305.03	3/4	4,479.51	3/4	4,653.98	3/4	4,828.46	3/4	4,999.91	3/4	5,174.58
3/4	3,568.78	1	3,762.60	1	3,951.98	1	4,134.28	1	4,308.56	1	4,482.84	1	4,657.11	1	4,831.39	1	4,999.91	1	5,174.58
1	3,572.82	1	3,766.62	1	3,955.86	1	4,138.01	1	4,312.08	1	4,486.36	1	4,660.63	1	4,834.90	1	4,999.91	1	5,174.58
1/4	3,576.85	1/4	3,770.63	1/4	3,959.72	1/4	4,141.71	1/4	4,315.60	1/4	4,489.89	1/4	4,664.16	1/4	4,838.43	1/4	4,999.91	1/4	5,174.58
1/2	3,580.89	1/2	3,774.64	1/2	3,963.58	1/2	4,145.41	1/2	4,319.11	1/2	4,493.60	1/2	4,668.07	1/2	4,842.34	1/2	4,999.91	1/2	5,174.58
3/4	3,584.93	3/4	3,778.65	3/4	3,967.45	3/4	4,149.11	3/4	4,322.62	3/4	4,497.62	3/4	4,672.09	3/4	4,846.37	3/4	4,999.91	3/4	5,174.58
2	3,588.97	2	3,782.66	2	3,971.31	2	4,152.82	2	4,326.14	2	4,499.91	2	4,676.16	2	4,850.63	2	4,999.91	2	5,174.58
1/4	3,593.01	1/4	3,786.66	1/4	3,975.16	1/4	4,156.50	1/4	4,329.64	1/4	4,503.68	1/4	4,679.63	1/4	4,854.10	1/4	4,999.91	1/4	5,174.58
1/2	3,597.05	1/2	3,790.66	1/2	3,979.01	1/2	4,160.19	1/2	4,333.14	1/2	4,507.12	1/2	4,683.07	1/2	4,857.53	1/2	4,999.91	1/2	5,174.58
3/4	3,601.09	3/4	3,794.65	3/4	3,982.86	3/4	4,163.88	3/4	4,336.64	3/4	4,511.16	3/4	4,686.60	3/4	4,861.50	3/4	4,999.91	3/4	5,174.58
3	3,605.13	3	3,798.65	3	3,986.71	3	4,167.57	3	4,340.14	3	4,515.12	3	4,690.09	3	4,865.47	3	4,999.91	3	5,174.58
1/4	3,609.17	1/4	3,802.64	1/4	3,990.55	1/4	4,171.24	1/4	4,343.63	1/4	4,519.12	1/4	4,694.09	1/4	4,869.07	1/4	4,999.91	1/4	5,174.58
1/2	3,613.21	1/2	3,806.62	1/2	3,994.39	1/2	4,174.92	1/2	4,347.12	1/2	4,523.04	1/2	4,698.06	1/2	4,873.04	1/2	4,999.91	1/2	5,174.58
3/4	3,617.25	3/4	3,810.61	3/4	3,998.22	3/4	4,178.59	3/4	4,350.61	3/4	4,527.06	3/4	4,702.04	3/4	4,877.02	3/4	4,999.91	3/4	5,174.58
4	3,621.29	4	3,814.59	4	4,002.06	4	4,182.27	4	4,354.10	4	4,529.08	4	4,706.06	4	4,881.04	4	4,999.91	4	5,174.58
1/4	3,625.33	1/4	3,818.57	1/4	4,005.89	1/4	4,185.93	1/4	4,357.58	1/4	4,533.06	1/4	4,710.04	1/4	4,885.02	1/4	4,999.91	1/4	5,174.58
1/2	3,629.37	1/2	3,822.54	1/2	4,009.71	1/2	4,189.59	1/2	4,361.05	1/2	4,537.02	1/2	4,714.00	1/2	4,889.00	1/2	4,999.91	1/2	5,174.58
3/4	3,633.41	3/4	3,826.51	3/4	4,013.54	3/4	4,193.26	3/4	4,364.53	3/4	4,541.46	3/4	4,718.48	3/4	4,893.48	3/4	4,999.91	3/4	5,174.58
5	3,637.45	5	3,830.49	5	4,017.36	5	4,196.92	5	4,368.01	5	4,545.90	5	4,722.90	5	4,897.90	5	4,999.91	5	5,174.58
1/4	3,641.49	1/4	3,834.45	1/4	4,021.18	1/4	4,200.57	1/4	4,371.80	1/4	4,549.32	1/4	4,726.30	1/4	4,901.30	1/4	4,999.91	1/4	5,174.58
1/2	3,645.53	1/2	3,838.41	1/2	4,024.99	1/2	4,204.22	1/2	4,375.58	1/2	4,553.74	1/2	4,729.74	1/2	4,905.30	1/2	4,999.91	1/2	5,174.58
3/4	3,649.57	3/4	3,842.37	3/4	4,028.80	3/4	4,207.87	3/4	4,379.37	3/4	4,557.18	3/4	4,733.14	3/4	4,909.70	3/4	4,999.91	3/4	5,174.58
6	3,653.61	6	3,846.33	6	4,032.62	6	4,211.52	6	4,383.16	6	4,561.12	6	4,737.08	6	4,911.04	6	4,999.91	6	5,174.58
1/4	3,657.64	1/4	3,850.28	1/4	4,036.42	1/4	4,215.16	1/4	4,386.03	1/4	4,565.04	1/4	4,740.96	1/4	4,915.92	1/4	4,999.91	1/4	5,174.58
1/2	3,661.68	1/2	3,854.23	1/2	4,040.22	1/2	4,218.80	1/2	4,389.80	1/2	4,568.88	1/2	4,744.80	1/2	4,919.80	1/2	4,999.91	1/2	5,174.58
3/4	3,665.72	3/4	3,858.18	3/4	4,044.02	3/4	4,222.44	3/4	4,391.78	3/4	4,572.80	3/4	4,748.80	3/4	4,923.80	3/4	4,999.91	3/4	5,174.58
7	3,669.76	7	3,862.13	7	4,047.82	7	4,226.08	7	4,394.55	7	4,576.64	7	4,752.64	7	4,927.64	7	4,999.91	7	5,174.58
1/4	3,673.80	1/4	3,866.06	1/4	4,051.61	1/4	4,229.71	1/4	4,398.30	1/4	4,580.40	1/4	4,756.40	1/4	4,931.40	1/4	4,999.91	1/4	5,174.58
1/2	3,677.84	1/2	3,870.00	1/2	4,055.40	1/2	4,233.33	1/2	4,397.96	1/2	4,584.32	1/2	4,760.32	1/2	4,935.32	1/2	4,999.91	1/2	5,174.58
3/4	3,681.88	3/4	3,873.94	3/4	4,059.19	3/4	4,236.96	3/4	4,399.61	3/4	4,588.16	3/4	4,764.16	3/4	4,939.16	3/4	4,999.91	3/4	5,174.58
8	3,685.92	8	3,877.87	8	4,062.97	8	4,240.58	8	4,401.27	8	4,592.08	8	4,776.08	8	4,947.08	8	4,999.91	8	5,174.58
1/4	3,689.96	1/4	3,881.80	1/4	4,066.75	1/4	4,244.20	1/4	4,405.00	1/4	4,596.00	1/4	4,780.00	1/4	4,955.00	1/4	4,999.91	1/4	5,174.58
1/2	3,694.00	1/2	3,885.72	1/2	4,070.53	1/2	4,247.81	1/2	4,408.81	1/2	4,599.81	1/2	4,784.81	1/2	4,959.81	1/2	4,999.91	1/2	5,174.58
3/4	3,698.04	3/4	3,889.64	3/4	4,074.30	3/4	4,251.43	3/4	4,412.63	3/4	4,603.63	3/4	4,788.63	3/4	4,963.63	3/4	4,999.91	3/4	5,174.58
9	3,702.08	9	3,893.57	9	4,078.08	9	4,255.04	9	4,416.43	9	4,607.43	9	4,792.43	9	4,967.43	9	4,999.91	9	5,174.58
1/4	3,706.12	1/4	3,897.48	1/4	4,081.84	1/4	4,258.64	1/4	4,420.24	1/4	4,611.24	1/4	4,796.24	1/4	4,971.24	1/4	4,999.91	1/4	5,174.58
1/2	3,710.16	1/2	3,901.39	1/2	4,085.61	1/2	4,262.24	1/2	4,424.04	1/2	4,615.04	1/2	4,801.04	1/2	4,975.04	1/2	4,999.91	1/2	5,174.58
3/4	3,714.20	3/4	3,905.30	3/4	4,089.37	3/4	4,265.84	3/4	4,427.84	3/4	4,618.84	3/4	4,804.84	3/4	4,979.84	3/4	4,999.91	3/4	5,174.58
10	3,718.24	10	3,909.21	10	4,093.14	10	4,269.45	10	4,431.65	10	4,623.65	10	4,809.65	10	4,984.65	10	4,999.91	10	5,174.58
1/4	3,722.28	1/4	3,913.11	1/4	4,096.89	1/4	4,273.04	1/4	4,435.45	1/4	4,627.45	1/4	4,813.45	1/4	4,988.45	1/4	4,999.91	1/4	5,174.58
1/2	3,726.32	1/2	3,917.01	1/2	4,100.64	1/2	4,276.62	1/2	4,439.24	1/2	4,631.24	1/2	4,819.24	1/2	4,994.24	1/2	4,999.91	1/2	5,174.58
3/4	3,730.36	3/4	3,920.91	3/4	4,104.39	3/4	4,280.21	3/4	4,443.04	3/4	4,635.04	3/4	4,823.04	3/4	4,998.04	3/4	4,999.91	3/4	5,174.58
11	3,734.40	11	3,924.81	11	4,108.14	11	4,283.80	11	4,446.84	11	4,638.84	11	4,827.84	11	4,999.84	11	4,999.91	11	5,174.58
1/4	3,738.43	1/4	3,928.70	1/4	4,111.88	1/4	4,287.35	1/4	4,450.63	1/4	4,642.63	1/4	4,832.63	1/4	4,999.63	1/4	4,999.91	1/4	5,174.58
1/2	3,742.46	1/2	3,932.59	1/2	4,115.62	1/2	4,290.89	1/2	4,454.42	1/2	4,646.42	1/2	4,838.42	1/2	4,999.42	1/2	4,999.91	1/2	5,174.58
3/4	3,746.50	3/4	3,936.47	3/4	4,119.36	3/4	4,294.43	3/4	4,458.21	3/4	4,650.21	3/4	4,842.21	3/4	4,999.21	3/4	4,999.91	3/4	5,174.58

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "EMS 527"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

IN		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0 FT.	0	1 FT.	0	2 FT.	0	3 FT.	0	4 FT.	0	5 FT.	0	6 FT.	0	7 FT.	0	8 FT.	0	9 FT.
1/4	25.49	1/4	364.00	1/4	723.93	1/4	1,071.95	1/4	1,425.55	1/4	1,784.92	1/4	2,144.72	1/4	2,504.46	1/4	2,864.00	1/4	3,222.45
1/2	29.71	1/2	371.50	1/2	731.43	1/2	1,079.11	1/2	1,432.99	1/2	1,792.41	1/2	2,152.21	1/2	2,511.95	1/2	2,871.48	1/2	3,229.89
3/4	33.94	3/4	379.00	3/4	738.93	3/4	1,086.27	3/4	1,440.42	3/4	1,799.91	3/4	2,159.71	3/4	2,519.45	3/4	2,878.96	3/4	3,237.34
1	38.16	1	386.50	1	746.43	1	1,093.43	1	1,447.86	1	1,807.41	1	2,167.20	1	2,526.94	1	2,886.44	1	3,244.79
1/4	43.63	1/4	394.00	1/4	753.93	1/4	1,100.59	1/4	1,455.29	1/4	1,814.90	1/4	2,174.69	1/4	2,534.44	1/4	2,893.91	1/4	3,252.23
1/2	49.09	1/2	401.50	1/2	761.43	1/2	1,107.75	1/2	1,462.73	1/2	1,822.40	1/2	2,182.19	1/2	2,541.93	1/2	2,901.39	1/2	3,259.68
3/4	54.56	3/4	409.00	3/4	768.92	3/4	1,114.91	3/4	1,470.16	3/4	1,829.90	3/4	2,189.68	3/4	2,549.42	3/4	2,908.86	3/4	3,267.13
2	60.02	2	416.49	2	776.42	2	1,122.07	2	1,477.60	2	1,837.39	2	2,197.18	2	2,556.92	2	2,916.33	2	3,274.57
1/4	66.73	1/4	423.99	1/4	783.92	1/4	1,129.23	1/4	1,485.09	1/4	1,844.89	1/4	2,204.67	1/4	2,564.41	1/4	2,923.81	1/4	3,282.02
1/2	73.44	1/2	431.49	1/2	791.42	1/2	1,136.39	1/2	1,492.57	1/2	1,852.38	1/2	2,212.17	1/2	2,571.91	1/2	2,931.28	1/2	3,289.46
3/4	80.15	3/4	438.99	3/4	798.92	3/4	1,143.55	3/4	1,500.06	3/4	1,859.88	3/4	2,219.66	3/4	2,579.40	3/4	2,938.75	3/4	3,296.91
3	86.85	3	446.49	3	806.42	3	1,150.71	3	1,507.55	3	1,867.38	3	2,227.16	3	2,586.90	3	2,946.22	3	3,304.36
1/4	94.27	1/4	453.99	1/4	813.67	1/4	1,158.12	1/4	1,515.05	1/4	1,874.87	1/4	2,234.65	1/4	2,594.39	1/4	2,954.70	1/4	3,311.82
1/2	101.69	1/2	461.49	1/2	820.91	1/2	1,165.53	1/2	1,522.54	1/2	1,882.37	1/2	2,242.15	1/2	2,601.88	1/2	2,961.17	1/2	3,319.28
3/4	109.11	3/4	468.98	3/4	828.16	3/4	1,172.94	3/4	1,530.04	3/4	1,889.87	3/4	2,249.64	3/4	2,609.38	3/4	2,968.64	3/4	3,326.74
4	116.53	4	476.48	4	835.41	4	1,180.35	4	1,537.54	4	1,897.36	4	2,257.14	4	2,616.87	4	2,976.12	4	3,334.20
1/4	124.03	1/4	483.98	1/4	842.60	1/4	1,187.77	1/4	1,545.03	1/4	1,904.86	1/4	2,264.63	1/4	2,624.37	1/4	2,983.59	1/4	3,341.66
1/2	131.54	1/2	491.48	1/2	849.79	1/2	1,195.19	1/2	1,552.53	1/2	1,912.36	1/2	2,272.12	1/2	2,631.86	1/2	2,991.06	1/2	3,349.12
3/4	139.04	3/4	498.98	3/4	856.98	3/4	1,202.61	3/4	1,560.03	3/4	1,919.85	3/4	2,279.62	3/4	2,639.35	3/4	2,998.53	3/4	3,356.58
5	146.55	5	506.48	5	864.17	5	1,210.03	5	1,567.52	5	1,927.35	5	2,287.11	5	2,646.85	5	3,006.01	5	3,364.04
1/4	154.04	1/4	513.97	1/4	871.36	1/4	1,217.44	1/4	1,575.02	1/4	1,934.85	1/4	2,294.61	1/4	2,654.34	1/4	3,013.48	1/4	3,371.50
1/2	161.54	1/2	521.47	1/2	878.54	1/2	1,224.86	1/2	1,582.51	1/2	1,942.34	1/2	2,302.10	1/2	2,661.83	1/2	3,020.95	1/2	3,378.97
3/4	169.04	3/4	528.97	3/4	885.73	3/4	1,232.28	3/4	1,590.01	3/4	1,949.84	3/4	2,309.60	3/4	2,669.32	3/4	3,028.43	3/4	3,386.43
6	176.54	6	536.47	6	892.92	6	1,239.70	6	1,597.51	6	1,957.33	6	2,317.09	6	2,676.82	6	3,035.90	6	3,393.89
1/4	184.04	1/4	543.97	1/4	900.08	1/4	1,247.13	1/4	1,605.00	1/4	1,964.83	1/4	2,324.59	1/4	2,684.31	1/4	3,043.37	1/4	3,401.35
1/2	191.54	1/2	551.47	1/2	907.25	1/2	1,254.56	1/2	1,612.50	1/2	1,972.33	1/2	2,332.08	1/2	2,691.80	1/2	3,050.84	1/2	3,408.81
3/4	199.04	3/4	558.97	3/4	914.41	3/4	1,262.00	3/4	1,620.00	3/4	1,979.82	3/4	2,339.58	3/4	2,699.30	3/4	3,058.32	3/4	3,416.27
7	206.54	7	566.46	7	921.58	7	1,269.43	7	1,627.49	7	1,987.32	7	2,347.07	7	2,706.79	7	3,065.79	7	3,423.74
1/4	214.03	1/4	573.96	1/4	928.74	1/4	1,276.86	1/4	1,634.99	1/4	1,994.82	1/4	2,354.56	1/4	2,714.28	1/4	3,073.27	1/4	3,431.20
1/2	221.53	1/2	581.46	1/2	935.90	1/2	1,284.30	1/2	1,642.49	1/2	2,002.81	1/2	2,362.06	1/2	2,721.78	1/2	3,080.75	1/2	3,438.66
3/4	229.03	3/4	588.96	3/4	943.06	3/4	1,291.73	3/4	1,649.98	3/4	2,009.81	3/4	2,369.55	3/4	2,729.27	3/4	3,088.23	3/4	3,446.12
8	236.53	8	596.46	8	950.22	8	1,299.17	8	1,657.48	8	2,017.31	8	2,377.05	8	2,736.76	8	3,095.71	8	3,453.58
1/4	244.03	1/4	603.96	1/4	957.38	1/4	1,306.60	1/4	1,664.97	1/4	2,024.80	1/4	2,384.54	1/4	2,744.26	1/4	3,103.19	1/4	3,461.04
1/2	251.53	1/2	611.46	1/2	964.54	1/2	1,314.04	1/2	1,672.47	1/2	2,032.30	1/2	2,392.04	1/2	2,751.75	1/2	3,110.67	1/2	3,468.51
3/4	259.03	3/4	618.95	3/4	971.70	3/4	1,321.47	3/4	1,679.97	3/4	2,039.79	3/4	2,399.53	3/4	2,759.25	3/4	3,118.15	3/4	3,475.97
9	266.52	9	626.45	9	978.86	9	1,328.90	9	1,687.46	9	2,047.29	9	2,407.03	9	2,766.74	9	3,125.63	9	3,483.43
1/4	274.02	1/4	633.95	1/4	986.03	1/4	1,336.34	1/4	1,694.96	1/4	2,054.78	1/4	2,414.52	1/4	2,774.23	1/4	3,133.08	1/4	3,487.88
1/2	281.52	1/2	641.45	1/2	993.19	1/2	1,343.77	1/2	1,702.46	1/2	2,062.28	1/2	2,422.02	1/2	2,781.71	1/2	3,140.53	1/2	3,492.34
3/4	289.02	3/4	648.95	3/4	1,000.35	3/4	1,351.21	3/4	1,709.95	3/4	2,069.77	3/4	2,429.51	3/4	2,789.19	3/4	3,147.98	3/4	3,496.80
10	296.52	10	656.45	10	1,007.51	10	1,358.64	10	1,717.45	10	2,077.26	10	2,437.01	10	2,796.67	10	3,155.43	10	3,501.25
1/4	304.02	1/4	663.94	1/4	1,014.67	1/4	1,366.08	1/4	1,724.95	1/4	2,084.76	1/4	2,444.50	1/4	2,804.15	1/4	3,162.88	1/4	3,505.28
1/2	311.52	1/2	671.44	1/2	1,021.83	1/2	1,373.51	1/2	1,732.44	1/2	2,092.25	1/2	2,451.99	1/2	2,811.63	1/2	3,170.32	1/2	3,509.30
3/4	319.01	3/4	678.94	3/4	1,028.99	3/4	1,380.95	3/4	1,739.94	3/4	2,099.75	3/4	2,459.49	3/4	2,819.11	3/4	3,177.77	3/4	3,513.33
11	326.51	11	686.44	11	1,036.15	11	1,388.38	11	1,747.44	11	2,107.24	11	2,466.98	11	2,826.59	11	3,185.22	11	3,517.35
1/4	334.01	1/4	693.94	1/4	1,043.31	1/4	1,395.82	1/4	1,754.93	1/4	2,114.74	1/4	2,474.48	1/4	2,834.07	1/4	3,192.66	1/4	3,521.38
1/2	341.51	1/2	701.44	1/2	1,050.47	1/2	1,403.25	1/2	1,762.43	1/2	2,122.23	1/2	2,481.97	1/2	2,841.56	1/2	3,200.11	1/2	3,525.40
3/4	349.01	3/4	708.94	3/4	1,057.63	3/4	1,410.69	3/4	1,769.92	3/4	2,129.73	3/4	2,489.47	3/4	2,849.04	3/4	3,207.56	3/4	3,529.43

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "EMS 527"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS & 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

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	3,533.45	0	3,726.66	0	3,915.82	0	4,097.88	0	4,272.07	0		0		0		0		0	
1/4	3,537.48	1/4	3,730.67	1/4	3,919.68	1/4	4,101.59	1/4	4,275.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,541.51	1/2	3,734.68	1/2	3,923.54	1/2	4,105.31	1/2	4,279.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,545.53	3/4	3,738.69	3/4	3,927.40	3/4	4,109.02	3/4	4,282.61	3/4		3/4		3/4		3/4		3/4	
1	3,549.56	1	3,742.69	1	3,931.26	1	4,112.73	1	4,286.12	1		1		1		1		1	
1/4	3,553.58	1/4	3,746.69	1/4	3,935.11	1/4	4,116.42	1/4	4,289.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,557.61	1/2	3,750.69	1/2	3,938.96	1/2	4,120.11	1/2	4,293.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.63	3/4	3,754.68	3/4	3,942.81	3/4	4,123.79	3/4	4,296.62	3/4		3/4		3/4		3/4		3/4	
2	3,565.66	2	3,758.68	2	3,946.66	2	4,127.48	2	4,300.12	2		2		2		2		2	
1/4	3,569.68	1/4	3,762.66	1/4	3,950.49	1/4	4,131.16	1/4	4,303.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.71	1/2	3,766.65	1/2	3,954.33	1/2	4,134.83	1/2	4,307.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,577.74	3/4	3,770.63	3/4	3,958.16	3/4	4,138.50	3/4	4,310.58	3/4		3/4		3/4		3/4		3/4	
3	3,581.76	3	3,774.62	3	3,962.00	3	4,142.18	3	4,314.07	3		3		3		3		3	
1/4	3,585.79	1/4	3,778.59	1/4	3,965.82	1/4	4,145.84	1/4	4,317.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,589.81	1/2	3,782.56	1/2	3,969.65	1/2	4,149.50	1/2	4,321.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,593.84	3/4	3,786.53	3/4	3,973.47	3/4	4,153.16	3/4	4,324.49	3/4		3/4		3/4		3/4		3/4	
4	3,597.86	4	3,790.50	4	3,977.30	4	4,156.82	4	4,327.96	4		4		4		4		4	
1/4	3,601.89	1/4	3,794.46	1/4	3,981.11	1/4	4,160.47	1/4	4,331.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,605.91	1/2	3,798.42	1/2	3,984.92	1/2	4,164.12	1/2	4,334.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,609.94	3/4	3,802.38	3/4	3,988.73	3/4	4,167.77	3/4	4,338.35	3/4		3/4		3/4		3/4		3/4	
5	3,613.96	5	3,806.34	5	3,992.54	5	4,171.42	5	4,341.81	5		5		5		5		5	
1/4	3,617.99	1/4	3,810.29	1/4	3,996.34	1/4	4,175.05	1/4	4,345.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,622.02	1/2	3,814.23	1/2	4,000.14	1/2	4,178.69	1/2	4,349.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,626.04	3/4	3,818.18	3/4	4,003.94	3/4	4,182.33	3/4	4,353.14	3/4		3/4		3/4		3/4		3/4	
6	3,630.07	6	3,822.13	6	4,007.74	6	4,185.96	6	4,356.91	6		6		6		6		6	
1/4	3,634.09	1/4	3,826.06	1/4	4,011.52	1/4	4,189.59	1/4	4,359.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,638.12	1/2	3,830.00	1/2	4,015.31	1/2	4,193.21	1/2	4,362.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,642.14	3/4	3,833.93	3/4	4,019.10	3/4	4,196.84	3/4	4,366.49	3/4		3/4		3/4		3/4		3/4	
7	3,646.17	7	3,837.87	7	4,022.88	7	4,200.46	7	4,368.34	7		7		7		7		7	
1/4	3,650.19	1/4	3,841.79	1/4	4,026.66	1/4	4,204.07	1/4	4,369.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,654.22	1/2	3,845.71	1/2	4,030.43	1/2	4,207.68	1/2	4,371.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,658.25	3/4	3,849.63	3/4	4,034.21	3/4	4,211.30	3/4	4,373.26	3/4		3/4		3/4		3/4		3/4	
8	3,662.27	8	3,853.55	8	4,037.98	8	4,214.91	8	4,374.90	8		8		8		8		8	
1/4	3,666.30	1/4	3,857.46	1/4	4,041.74	1/4	4,218.51	1/4	4,378.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.32	1/2	3,861.37	1/2	4,045.51	1/2	4,222.11	1/2	4,382.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,674.35	3/4	3,865.28	3/4	4,049.27	3/4	4,225.71	3/4	4,385.71	3/4		3/4		3/4		3/4		3/4	
9	3,678.37	9	3,869.19	9	4,053.03	9	4,229.31	9	4,389.31	9		9		9		9		9	
1/4	3,682.40	1/4	3,873.09	1/4	4,056.78	1/4	4,232.89	1/4	4,392.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,686.42	1/2	3,876.99	1/2	4,060.53	1/2	4,236.48	1/2	4,396.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,690.45	3/4	3,880.89	3/4	4,064.28	3/4	4,240.07	3/4	4,400.07	3/4		3/4		3/4		3/4		3/4	
10	3,694.47	10	3,884.79	10	4,068.03	10	4,243.66	10	4,403.66	10		10		10		10		10	
1/4	3,698.50	1/4	3,888.67	1/4	4,071.77	1/4	4,247.23	1/4	4,407.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,702.53	1/2	3,892.56	1/2	4,075.50	1/2	4,250.81	1/2	4,410.81	1/2		1/2		1/2		1/2		1/2	
3/4	3,706.55	3/4	3,896.44	3/4	4,079.24	3/4	4,254.38	3/4	4,414.38	3/4		3/4		3/4		3/4		3/4	
11	3,710.58	11	3,900.33	11	4,082.98	11	4,257.96	11	4,417.96	11		11		11		11		11	
1/4	3,714.60	1/4	3,904.20	1/4	4,086.70	1/4	4,261.48	1/4	4,421.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,718.62	1/2	3,908.07	1/2	4,090.43	1/2	4,265.01	1/2	4,425.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,722.64	3/4	3,911.95	3/4	4,094.15	3/4	4,268.54	3/4	4,428.54	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
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Paul J. Brown



BARGE "EMS 527"

ULLAGE TRIM TABLE

	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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-1/2	- 03-1/2
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-1/2	- 03-1/2

(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 1 PORT IS 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-00"

December 21, 2020

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

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BARGE "EMS 52"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	4,910.23	0	4,578.30	0	4,232.29	0	3,873.43	0	3,510.72	0	3,148.00	0	2,785.29	0	2,422.51
1/4	1/4	1/4	1/4	1/4	4,903.48	1/4	4,571.24	1/4	4,224.95	1/4	3,865.87	1/4	3,503.16	1/4	3,140.45	1/4	2,777.74	1/4	2,414.95
1/2	1/2	1/2	1/2	1/2	4,896.69	1/2	4,564.15	1/2	4,217.59	1/2	3,858.32	1/2	3,495.60	1/2	3,132.89	1/2	2,770.18	1/2	2,407.39
3/4	3/4	3/4	3/4	3/4	4,889.91	3/4	4,557.06	3/4	4,210.22	3/4	3,850.76	3/4	3,488.05	3/4	3,125.34	3/4	2,762.62	3/4	2,399.84
1	1	1	1	1	4,883.13	1	4,549.97	1	4,202.86	1	3,843.20	1	3,480.49	1	3,117.78	1	2,755.07	1	2,392.28
1/4	1/4	1/4	1/4	1/4	4,876.34	1/4	4,542.89	1/4	4,198.11	1/4	3,835.65	1/4	3,472.93	1/4	3,110.22	1/4	2,747.51	1/4	2,384.72
1/2	1/2	1/2	1/2	1/2	4,869.54	1/2	4,535.78	1/2	4,188.11	1/2	3,828.09	1/2	3,465.38	1/2	3,102.67	1/2	2,739.95	1/2	2,377.16
3/4	3/4	3/4	3/4	3/4	4,862.73	3/4	4,528.66	3/4	4,180.72	3/4	3,820.53	3/4	3,457.82	3/4	3,095.11	3/4	2,732.40	3/4	2,369.60
2	2	2	2	2	4,855.93	2	4,521.55	2	4,173.33	2	3,812.98	2	3,450.26	2	3,087.55	2	2,724.84	2	2,362.04
1/4	1/4	1/4	1/4	1/4	4,849.12	1/4	4,514.44	1/4	4,165.95	1/4	3,805.42	1/4	3,442.71	1/4	3,080.00	1/4	2,717.28	1/4	2,354.48
1/2	1/2	1/2	1/2	1/2	4,842.29	1/2	4,507.31	1/2	4,158.54	1/2	3,797.86	1/2	3,435.15	1/2	3,072.44	1/2	2,709.73	1/2	2,346.92
3/4	3/4	3/4	3/4	3/4	4,835.46	3/4	4,500.17	3/4	4,151.13	3/4	3,790.31	3/4	3,427.60	3/4	3,064.88	3/4	2,702.17	3/4	2,339.36
3	3	3	3	3	4,828.64	3	4,493.04	3	4,143.72	3	3,782.75	3	3,420.04	3	3,057.33	3	2,694.61	3	2,331.80
1/4	1/4	1/4	1/4	1/4	4,821.81	1/4	4,485.91	1/4	4,136.31	1/4	3,775.19	1/4	3,412.48	1/4	3,049.77	1/4	2,687.06	1/4	2,324.24
1/2	1/2	1/2	1/2	1/2	4,814.96	1/2	4,478.75	1/2	4,128.87	1/2	3,767.64	1/2	3,404.93	1/2	3,042.21	1/2	2,679.50	1/2	2,316.68
3/4	3/4	3/4	3/4	3/4	4,808.10	3/4	4,471.59	3/4	4,121.44	3/4	3,760.08	3/4	3,397.37	3/4	3,034.66	3/4	2,671.94	3/4	2,309.12
4	4	4	4	4	4,801.25	4	4,464.44	4	4,114.01	4	3,752.52	4	3,389.81	4	3,027.10	4	2,664.39	4	2,301.56
1/4	1/4	1/4	1/4	1/4	4,794.40	1/4	4,457.28	1/4	4,106.58	1/4	3,744.97	1/4	3,382.26	1/4	3,019.54	1/4	2,656.83	1/4	2,294.01
1/2	1/2	1/2	1/2	1/2	4,787.53	1/2	4,450.10	1/2	4,099.12	1/2	3,737.41	1/2	3,374.70	1/2	3,011.99	1/2	2,649.28	1/2	2,286.45
3/4	3/4	3/4	3/4	3/4	4,780.65	3/4	4,442.92	3/4	4,091.66	3/4	3,729.86	3/4	3,367.14	3/4	3,004.43	3/4	2,641.72	3/4	2,278.89
5	5	5	5	5	4,773.78	5	4,435.74	5	4,084.21	5	3,722.30	5	3,359.59	5	2,996.87	5	2,634.17	5	2,271.33
1/4	1/4	1/4	1/4	1/4	4,766.90	1/4	4,428.56	1/4	4,076.75	1/4	3,714.74	1/4	3,352.03	1/4	2,989.32	1/4	2,626.61	1/4	2,263.77
1/2	1/2	1/2	1/2	1/2	4,760.00	1/2	4,421.36	1/2	4,069.27	1/2	3,707.19	1/2	3,344.47	1/2	2,981.76	1/2	2,619.06	1/2	2,256.21
3/4	3/4	3/4	3/4	3/4	4,753.11	3/4	4,414.16	3/4	4,061.79	3/4	3,699.63	3/4	3,336.92	3/4	2,974.20	3/4	2,611.50	3/4	2,248.65
6	6	6	6	6	4,746.21	6	4,406.95	6	4,054.32	6	3,692.07	6	3,329.36	6	2,966.65	6	2,606.65	6	2,241.09
1/4	1/4	1/4	1/4	1/4	4,739.31	1/4	4,399.75	1/4	4,046.84	1/4	3,684.52	1/4	3,321.80	1/4	2,959.09	1/4	2,596.38	1/4	2,233.53
1/2	1/2	1/2	1/2	1/2	4,732.39	1/2	4,392.52	1/2	4,039.34	1/2	3,676.96	1/2	3,314.25	1/2	2,951.54	1/2	2,588.82	1/2	2,225.97
3/4	3/4	3/4	3/4	3/4	4,725.46	3/4	4,385.30	3/4	4,031.83	3/4	3,669.40	3/4	3,306.69	3/4	2,943.98	3/4	2,581.26	3/4	2,218.41
7	7	7	7	7	4,718.54	7	4,378.07	7	4,024.33	7	3,661.85	7	3,299.13	7	2,936.42	7	2,573.70	7	2,210.85
1/4	1/4	1/4	1/4	1/4	4,711.61	1/4	4,370.85	1/4	4,016.83	1/4	3,654.29	1/4	3,291.58	1/4	2,928.87	1/4	2,566.14	1/4	2,203.29
1/2	1/2	1/2	1/2	1/2	4,704.64	1/2	4,363.60	1/2	4,009.30	1/2	3,646.73	1/2	3,284.02	1/2	2,921.31	1/2	2,558.58	1/2	2,195.73
3/4	3/4	3/4	3/4	3/4	4,697.67	3/4	4,356.35	3/4	4,001.78	3/4	3,639.18	3/4	3,276.47	3/4	2,913.75	3/4	2,551.02	3/4	2,188.17
8	8	8	8	8	4,690.70	8	4,349.10	8	3,994.26	8	3,631.62	8	3,268.91	8	2,906.20	8	2,543.46	8	2,180.62
1/4	1/4	1/4	1/4	1/4	4,683.72	1/4	4,341.85	1/4	3,986.73	1/4	3,624.06	1/4	3,261.35	1/4	2,898.64	1/4	2,535.90	1/4	2,173.06
1/2	1/2	1/2	1/2	1/2	4,676.73	1/2	4,334.58	1/2	3,979.19	1/2	3,616.51	1/2	3,253.80	1/2	2,891.08	1/2	2,528.34	1/2	2,165.50
3/4	3/4	3/4	3/4	3/4	4,669.73	3/4	4,327.31	3/4	3,971.64	3/4	3,608.95	3/4	3,246.24	3/4	2,883.53	3/4	2,520.78	3/4	2,157.94
9	9	9	9	9	4,662.73	9	4,320.04	9	3,964.10	9	3,601.39	9	3,238.68	9	2,875.97	9	2,513.22	9	2,150.38
1/4	1/4	1/4	1/4	1/4	4,655.74	1/4	4,312.76	1/4	3,956.55	1/4	3,593.84	1/4	3,231.13	1/4	2,868.41	1/4	2,505.67	1/4	2,142.82
1/2	1/2	1/2	1/2	1/2	4,648.72	1/2	4,305.47	1/2	3,948.99	1/2	3,586.28	1/2	3,223.57	1/2	2,860.86	1/2	2,498.11	1/2	2,135.26
3/4	3/4	3/4	3/4	3/4	4,641.70	3/4	4,298.17	3/4	3,941.44	3/4	3,578.78	3/4	3,216.01	3/4	2,853.74	3/4	2,490.55	3/4	2,127.70
10	10	10	10	10	4,634.68	10	4,290.88	10	3,933.88	10	3,571.17	10	3,208.46	10	2,845.74	10	2,482.99	10	2,120.14
1/4	1/4	1/4	1/4	1/4	4,627.66	1/4	4,283.58	1/4	3,926.32	1/4	3,563.61	1/4	3,200.90	1/4	2,838.19	1/4	2,475.43	1/4	2,112.58
1/2	1/2	1/2	1/2	1/2	4,620.62	1/2	4,276.27	1/2	3,918.77	1/2	3,556.06	1/2	3,193.34	1/2	2,830.63	1/2	2,467.87	1/2	2,105.02
3/4	3/4	3/4	3/4	3/4	4,613.58	3/4	4,268.95	3/4	3,911.21	3/4	3,548.50	3/4	3,185.79	3/4	2,823.07	3/4	2,460.31	3/4	2,097.46
11	11	11	11	11	4,606.54	11	4,261.63	11	3,903.65	11	3,540.94	11	3,178.23	11	2,815.52	11	2,452.75	11	2,089.90
1/4	1/4	1/4	1/4	1/4	4,599.51	1/4	4,254.31	1/4	3,896.10	1/4	3,533.39	1/4	3,170.67	1/4	2,807.96	1/4	2,445.19	1/4	2,082.34
1/2	1/2	1/2	1/2	1/2	4,592.43	1/2	4,246.97	1/2	3,888.54	1/2	3,525.83	1/2	3,163.12	1/2	2,800.41	1/2	2,437.63	1/2	2,074.79
3/4	3/4	3/4	3/4	3/4	4,585.37	3/4	4,239.63	3/4	3,880.99	3/4	3,518.27	3/4	3,155.56	3/4	2,792.85	3/4	2,430.07	3/4	2,067.23

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP UP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

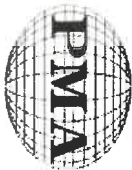
PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 527"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,056.67	0	1,696.82	0	1,333.97	0	971.57	0	608.79	0	245.96	0		0		0		0	
1/4	2,052.11	1/4	1,689.26	1/4	1,326.41	1/4	964.02	1/4	601.24	1/4	238.40	1/4		1/4		1/4		1/4	
1/2	2,044.55	1/2	1,681.70	1/2	1,318.86	1/2	956.47	1/2	593.68	1/2	230.84	1/2		1/2		1/2		1/2	
3/4	2,036.99	3/4	1,674.14	3/4	1,311.30	3/4	948.93	3/4	586.12	3/4	223.29	3/4		3/4		3/4		3/4	
1	2,029.43	1	1,666.58	1	1,303.74	1	941.38	1	578.56	1	215.73	1		1		1		1	
1 1/4	2,021.87	1 1/4	1,659.02	1 1/4	1,296.18	1 1/4	933.83	1 1/4	571.00	1 1/4	208.17	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,014.31	1 1/2	1,651.46	1 1/2	1,288.62	1 1/2	926.27	1 1/2	563.44	1 1/2	200.61	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,006.75	3/4	1,643.91	3/4	1,281.06	3/4	918.71	3/4	555.88	3/4	193.05	3/4		3/4		3/4		3/4	
2	1,999.19	2	1,636.35	2	1,273.50	2	911.15	2	548.32	2	185.49	2		2		2		2	
1 1/4	1,991.63	1 1/4	1,628.79	1 1/4	1,265.94	1 1/4	903.60	1 1/4	540.76	1 1/4	177.93	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,984.07	1 1/2	1,621.23	1 1/2	1,258.38	1 1/2	896.04	1 1/2	533.20	1 1/2	170.37	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,976.51	3/4	1,613.67	3/4	1,250.83	3/4	888.48	3/4	525.65	3/4	162.81	3/4		3/4		3/4		3/4	
3	1,968.96	3	1,606.11	3	1,243.27	3	880.92	3	518.09	3	155.25	3		3		3		3	
1 1/4	1,961.40	1 1/4	1,598.55	1 1/4	1,235.71	1 1/4	873.36	1 1/4	510.53	1 1/4	147.70	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,953.84	1 1/2	1,590.99	1 1/2	1,228.16	1 1/2	865.80	1 1/2	502.97	1 1/2	140.14	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,946.28	3/4	1,583.43	3/4	1,220.62	3/4	858.24	3/4	495.41	3/4	132.58	3/4		3/4		3/4		3/4	
4	1,938.72	4	1,575.87	4	1,213.07	4	850.68	4	487.85	4	125.02	4		4		4		4	
1 1/4	1,931.16	1 1/4	1,568.31	1 1/4	1,205.52	1 1/4	843.12	1 1/4	480.29	1 1/4	117.46	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,923.60	1 1/2	1,560.75	1 1/2	1,197.98	1 1/2	835.56	1 1/2	472.73	1 1/2	109.98	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,916.04	3/4	1,553.19	3/4	1,190.43	3/4	828.01	3/4	465.17	3/4	102.50	3/4		3/4		3/4		3/4	
5	1,908.48	5	1,545.63	5	1,182.88	5	820.45	5	457.61	5	95.02	5		5		5		5	
1 1/4	1,900.92	1 1/4	1,538.08	1 1/4	1,175.34	1 1/4	812.89	1 1/4	450.06	1 1/4	87.54	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,893.36	1 1/2	1,530.52	1 1/2	1,167.79	1 1/2	805.33	1 1/2	442.50	1 1/2	80.77	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,885.80	3/4	1,522.96	3/4	1,160.24	3/4	797.77	3/4	434.94	3/4	74.00	3/4		3/4		3/4		3/4	
6	1,878.24	6	1,515.40	6	1,152.69	6	790.21	6	427.38	6	67.22	6		6		6		6	
1 1/4	1,870.68	1 1/4	1,507.84	1 1/4	1,145.15	1 1/4	782.65	1 1/4	419.82	1 1/4	60.45	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,863.13	1 1/2	1,500.28	1 1/2	1,137.60	1 1/2	775.09	1 1/2	412.26	1 1/2	54.94	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,855.57	3/4	1,492.72	3/4	1,130.05	3/4	767.53	3/4	404.70	3/4	49.43	3/4		3/4		3/4		3/4	
7	1,848.01	7	1,485.16	7	1,122.51	7	759.97	7	397.14	7	43.92	7		7		7		7	
1 1/4	1,840.45	1 1/4	1,477.60	1 1/4	1,114.96	1 1/4	752.42	1 1/4	389.58	1 1/4	38.41	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,832.89	1 1/2	1,470.04	1 1/2	1,107.41	1 1/2	744.86	1 1/2	382.02	1 1/2	34.16	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,825.33	3/4	1,462.48	3/4	1,099.87	3/4	737.30	3/4	374.47	3/4	29.91	3/4		3/4		3/4		3/4	
8	1,817.77	8	1,454.92	8	1,092.32	8	729.74	8	366.91	8	25.66	8		8		8		8	
1 1/4	1,810.21	1 1/4	1,447.36	1 1/4	1,084.77	1 1/4	722.18	1 1/4	359.35	1 1/4	21.40	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,802.65	1 1/2	1,439.80	1 1/2	1,077.22	1 1/2	714.62	1 1/2	351.79	1 1/2	17.15	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,795.09	3/4	1,432.25	3/4	1,069.68	3/4	707.06	3/4	344.23	3/4	12.90	3/4		3/4		3/4		3/4	
9	1,787.53	9	1,424.69	9	1,062.13	9	699.50	9	336.67	9	9	9		9		9		9	
1 1/4	1,779.97	1 1/4	1,417.13	1 1/4	1,054.58	1 1/4	691.94	1 1/4	329.11	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,772.41	1 1/2	1,409.57	1 1/2	1,047.04	1 1/2	684.38	1 1/2	321.55	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,764.85	3/4	1,402.01	3/4	1,039.49	3/4	676.83	3/4	313.99	3/4		3/4		3/4		3/4		3/4	
10	1,757.29	10	1,394.45	10	1,031.94	10	669.27	10	306.43	10		10		10		10		10	
1 1/4	1,749.74	1 1/4	1,386.89	1 1/4	1,024.40	1 1/4	661.71	1 1/4	298.88	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,742.18	1 1/2	1,379.33	1 1/2	1,016.85	1 1/2	654.15	1 1/2	291.32	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,734.62	3/4	1,371.77	3/4	1,009.30	3/4	646.59	3/4	283.76	3/4		3/4		3/4		3/4		3/4	
11	1,727.06	11	1,364.21	11	1,001.75	11	639.03	11	276.20	11		11		11		11		11	
1 1/4	1,719.50	1 1/4	1,356.65	1 1/4	994.21	1 1/4	631.47	1 1/4	268.64	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,711.94	1 1/2	1,349.09	1 1/2	986.66	1 1/2	623.91	1 1/2	261.08	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,704.38	3/4	1,341.53	3/4	979.11	3/4	616.35	3/4	253.52	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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<http://www.pma.net>



BARGE "EMS 527"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	5,213.15	0	4,898.19	0	4,565.39	0	4,218.58	0	3,859.06
1/4	1/4	5,208.02	1/4	4,891.40	1/4	4,558.30	1/4	4,211.21	1/4	3,851.50
1/2	1/2	5,202.90	1/2	4,884.61	1/2	4,551.21	1/2	4,203.84	1/2	3,843.94
3/4	3/4	5,197.77	3/4	4,877.83	3/4	4,544.11	3/4	4,196.47	3/4	3,836.38
1	1	5,191.43	1	4,871.01	1	4,537.00	1	4,189.08	1	3,828.82
1 1/4	1 1/4	5,185.09	1 1/4	4,864.20	1 1/4	4,529.88	1 1/4	4,181.69	1 1/4	3,821.25
1 1/2	1 1/2	5,178.75	1 1/2	4,857.37	1 1/2	4,522.78	1 1/2	4,174.29	1 1/2	3,813.69
3 1/4	3 1/4	5,172.41	3 1/4	4,850.58	3 1/4	4,515.65	3 1/4	4,166.90	3 1/4	3,806.13
2	2	5,165.21	2	4,843.75	2	4,508.51	2	4,159.49	2	3,798.57
1 3/4	1 3/4	5,158.01	1 3/4	4,836.91	1 3/4	4,501.37	1 3/4	4,152.07	1 3/4	3,791.01
1 1/2	1 1/2	5,150.80	1 1/2	4,830.08	1 1/2	4,494.23	1 1/2	4,144.66	1 1/2	3,783.45
3 1/4	3 1/4	5,143.60	3 1/4	4,823.25	3 1/4	4,487.09	3 1/4	4,137.24	3 1/4	3,775.88
3	3	5,137.08	3	4,816.39	3	4,479.93	3	4,129.80	3	3,768.32
1 1/4	1 1/4	5,130.57	1 1/4	4,809.53	1 1/4	4,472.77	1 1/4	4,122.37	1 1/4	3,760.76
1 1/2	1 1/2	5,124.06	1 1/2	4,802.67	1 1/2	4,465.61	1 1/2	4,114.93	1 1/2	3,753.20
3 1/4	3 1/4	5,117.55	3 1/4	4,795.82	3 1/4	4,458.44	3 1/4	4,107.49	3 1/4	3,745.64
4	4	5,111.01	4	4,788.94	4	4,451.26	4	4,100.03	4	3,738.08
1 1/4	1 1/4	5,104.48	1 1/4	4,782.06	1 1/4	4,444.07	1 1/4	4,092.57	1 1/4	3,730.51
1 1/2	1 1/2	5,097.94	1 1/2	4,775.18	1 1/2	4,436.89	1 1/2	4,085.11	1 1/2	3,722.95
3 1/4	3 1/4	5,091.41	3 1/4	4,768.30	3 1/4	4,429.70	3 1/4	4,077.65	3 1/4	3,715.39
5	5	5,084.85	5	4,761.39	5	4,422.50	5	4,070.16	5	3,707.83
1 1/4	1 1/4	5,078.29	1 1/4	4,754.49	1 1/4	4,415.29	1 1/4	4,062.68	1 1/4	3,700.27
1 1/2	1 1/2	5,071.74	1 1/2	4,747.59	1 1/2	4,408.08	1 1/2	4,055.19	1 1/2	3,692.71
3 1/4	3 1/4	5,065.18	3 1/4	4,740.69	3 1/4	4,400.87	3 1/4	4,047.71	3 1/4	3,685.14
6	6	5,058.60	6	4,733.76	6	4,393.64	6	4,040.20	6	3,677.58
1 1/4	1 1/4	5,052.02	1 1/4	4,726.83	1 1/4	4,386.41	1 1/4	4,032.70	1 1/4	3,670.02
1 1/2	1 1/2	5,045.44	1 1/2	4,719.97	1 1/2	4,379.18	1 1/2	4,025.19	1 1/2	3,662.46
3 1/4	3 1/4	5,038.86	3 1/4	4,713.07	3 1/4	4,371.95	3 1/4	4,017.68	3 1/4	3,654.90
7	7	5,032.25	7	4,706.99	7	4,364.69	7	4,010.15	7	3,647.34
1 1/4	1 1/4	5,025.65	1 1/4	4,699.01	1 1/4	4,357.44	1 1/4	4,002.62	1 1/4	3,639.77
1 1/2	1 1/2	5,019.05	1 1/2	4,692.03	1 1/2	4,350.19	1 1/2	3,995.09	1 1/2	3,632.21
3 1/4	3 1/4	5,012.44	3 1/4	4,685.06	3 1/4	4,342.93	3 1/4	3,987.56	3 1/4	3,624.65
8	8	5,005.81	8	4,678.05	8	4,335.65	8	3,980.01	8	3,617.09
1 1/4	1 1/4	4,999.17	1 1/4	4,671.05	1 1/4	4,328.38	1 1/4	3,972.46	1 1/4	3,609.53
1 1/2	1 1/2	4,992.53	1 1/2	4,664.05	1 1/2	4,321.10	1 1/2	3,964.91	1 1/2	3,601.97
3 1/4	3 1/4	4,985.90	3 1/4	4,657.05	3 1/4	4,313.82	3 1/4	3,957.37	3 1/4	3,594.40
9	9	4,979.18	9	4,650.03	9	4,306.52	9	3,949.80	9	3,586.84
1 1/4	1 1/4	4,972.46	1 1/4	4,643.00	1 1/4	4,299.22	1 1/4	3,942.24	1 1/4	3,579.28
1 1/2	1 1/2	4,965.73	1 1/2	4,635.98	1 1/2	4,291.92	1 1/2	3,934.68	1 1/2	3,571.72
3 1/4	3 1/4	4,959.01	3 1/4	4,628.95	3 1/4	4,284.62	3 1/4	3,927.12	3 1/4	3,564.16
10	10	4,952.27	10	4,621.91	10	4,277.30	10	3,919.56	10	3,556.60
1 1/4	1 1/4	4,945.53	1 1/4	4,614.86	1 1/4	4,269.98	1 1/4	3,912.00	1 1/4	3,549.03
1 1/2	1 1/2	4,938.78	1 1/2	4,607.81	1 1/2	4,262.65	1 1/2	3,904.43	1 1/2	3,541.47
3 1/4	3 1/4	4,932.04	3 1/4	4,600.77	3 1/4	4,255.33	3 1/4	3,896.87	3 1/4	3,533.91
11	11	4,925.27	11	4,593.70	11	4,247.99	11	3,889.31	11	3,526.35
1 1/4	1 1/4	4,918.51	1 1/4	4,586.53	1 1/4	4,240.64	1 1/4	3,881.75	1 1/4	3,518.79
1 1/2	1 1/2	4,911.74	1 1/2	4,579.56	1 1/2	4,233.29	1 1/2	3,874.19	1 1/2	3,511.22
3 1/4	3 1/4	4,904.98	3 1/4	4,572.49	3 1/4	4,225.95	3 1/4	3,866.62	3 1/4	3,503.66

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "EMS 527"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 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	2,044.04	0	1,680.95	0	1,317.86	0	956.87	0	584.08	0	231.00	0		0		0		0	
1/4	2,038.48	1/4	1,673.39	1/4	1,310.30	1/4	949.35	1/4	586.51	1/4	223.44	1/4		1/4		1/4		1/4	
1/2	2,028.91	1/2	1,665.82	1/2	1,302.73	1/2	941.84	1/2	578.95	1/2	215.87	1/2		1/2		1/2		1/2	
3/4	2,021.35	3/4	1,658.26	3/4	1,295.17	3/4	934.32	3/4	571.38	3/4	208.31	3/4		3/4		3/4		3/4	
1	2,013.78	1	1,650.69	1	1,287.61	1	926.79	1	563.82	1	200.74	1		1		1		1	
1/4	2,006.22	1/4	1,643.13	1/4	1,280.05	1/4	919.26	1/4	556.26	1/4	193.18	1/4		1/4		1/4		1/4	
1/2	1,998.66	1/2	1,635.56	1/2	1,272.49	1/2	911.73	1/2	548.69	1/2	185.61	1/2		1/2		1/2		1/2	
3/4	1,991.09	3/4	1,628.00	3/4	1,264.93	3/4	904.20	3/4	541.13	3/4	178.05	3/4		3/4		3/4		3/4	
2	1,983.53	2	1,620.44	2	1,257.40	2	896.64	2	533.56	2	170.49	2		2		2		2	
1/4	1,975.96	1/4	1,612.87	1/4	1,249.88	1/4	889.08	1/4	526.00	1/4	162.92	1/4		1/4		1/4		1/4	
1/2	1,968.40	1/2	1,605.31	1/2	1,242.36	1/2	881.51	1/2	518.44	1/2	155.36	1/2		1/2		1/2		1/2	
3/4	1,960.83	3/4	1,597.74	3/4	1,234.83	3/4	873.95	3/4	510.87	3/4	147.79	3/4		3/4		3/4		3/4	
3	1,953.27	3	1,590.18	3	1,227.32	3	866.38	3	503.31	3	140.23	3		3		3		3	
1/4	1,945.70	1/4	1,582.61	1/4	1,219.81	1/4	858.82	1/4	495.74	1/4	132.67	1/4		1/4		1/4		1/4	
1/2	1,938.14	1/2	1,575.05	1/2	1,212.30	1/2	851.26	1/2	488.18	1/2	125.10	1/2		1/2		1/2		1/2	
3/4	1,930.58	3/4	1,567.48	3/4	1,204.78	3/4	843.69	3/4	480.61	3/4	117.54	3/4		3/4		3/4		3/4	
4	1,923.01	4	1,559.92	4	1,197.27	4	836.13	4	473.05	4	110.05	4		4		4		4	
1/4	1,915.45	1/4	1,552.36	1/4	1,189.76	1/4	828.56	1/4	465.49	1/4	102.57	1/4		1/4		1/4		1/4	
1/2	1,907.88	1/2	1,544.79	1/2	1,182.25	1/2	821.00	1/2	457.92	1/2	95.08	1/2		1/2		1/2		1/2	
3/4	1,900.32	3/4	1,537.23	3/4	1,174.73	3/4	813.44	3/4	450.36	3/4	87.60	3/4		3/4		3/4		3/4	
5	1,892.75	5	1,529.66	5	1,167.22	5	805.87	5	442.79	5	80.82	5		5		5		5	
1/4	1,885.19	1/4	1,522.10	1/4	1,159.71	1/4	798.31	1/4	435.23	1/4	74.04	1/4		1/4		1/4		1/4	
1/2	1,877.63	1/2	1,514.53	1/2	1,152.20	1/2	790.74	1/2	427.67	1/2	67.27	1/2		1/2		1/2		1/2	
3/4	1,870.06	3/4	1,506.97	3/4	1,144.68	3/4	783.18	3/4	420.10	3/4	60.49	3/4		3/4		3/4		3/4	
6	1,862.50	6	1,499.41	6	1,137.17	6	775.61	6	412.54	6	54.98	6		6		6		6	
1/4	1,854.93	1/4	1,491.84	1/4	1,129.66	1/4	768.05	1/4	404.97	1/4	49.46	1/4		1/4		1/4		1/4	
1/2	1,847.37	1/2	1,484.28	1/2	1,122.15	1/2	760.49	1/2	397.41	1/2	43.95	1/2		1/2		1/2		1/2	
3/4	1,839.80	3/4	1,476.71	3/4	1,114.63	3/4	752.92	3/4	389.85	3/4	38.43	3/4		3/4		3/4		3/4	
7	1,832.24	7	1,469.15	7	1,107.12	7	745.36	7	382.28	7	34.18	7		7		7		7	
1/4	1,824.67	1/4	1,461.58	1/4	1,099.61	1/4	737.79	1/4	374.72	1/4	29.93	1/4		1/4		1/4		1/4	
1/2	1,817.11	1/2	1,454.02	1/2	1,092.10	1/2	730.23	1/2	367.15	1/2	25.67	1/2		1/2		1/2		1/2	
3/4	1,809.55	3/4	1,446.45	3/4	1,084.58	3/4	722.67	3/4	359.59	3/4	21.42	3/4		3/4		3/4		3/4	
8	1,801.98	8	1,438.89	8	1,077.07	8	715.10	8	352.03	8		8		8		8		8	
1/4	1,794.42	1/4	1,431.33	1/4	1,069.56	1/4	707.54	1/4	344.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,786.85	1/2	1,423.76	1/2	1,062.04	1/2	699.97	1/2	336.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,779.29	3/4	1,416.20	3/4	1,054.53	3/4	692.41	3/4	329.33	3/4		3/4		3/4		3/4		3/4	
9	1,771.72	9	1,408.63	9	1,047.02	9	684.85	9	321.77	9		9		9		9		9	
1/4	1,764.16	1/4	1,401.07	1/4	1,039.51	1/4	677.28	1/4	314.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,756.59	1/2	1,393.50	1/2	1,031.99	1/2	669.72	1/2	306.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,749.03	3/4	1,385.94	3/4	1,024.48	3/4	662.15	3/4	299.08	3/4		3/4		3/4		3/4		3/4	
10	1,741.47	10	1,378.37	10	1,016.97	10	654.59	10	291.51	10		10		10		10		10	
1/4	1,733.90	1/4	1,370.81	1/4	1,009.46	1/4	647.02	1/4	283.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,726.34	1/2	1,363.25	1/2	1,001.94	1/2	639.46	1/2	276.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,718.77	3/4	1,355.68	3/4	994.43	3/4	631.90	3/4	268.82	3/4		3/4		3/4		3/4		3/4	
11	1,711.21	11	1,348.12	11	986.92	11	624.33	11	261.26	11		11		11		11		11	
1/4	1,703.64	1/4	1,340.55	1/4	979.41	1/4	616.77	1/4	253.69	1/4		1/4		1/4		1/4		1/4	
1/2	1,696.08	1/2	1,332.99	1/2	971.89	1/2	609.20	1/2	246.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,688.52	3/4	1,325.42	3/4	964.38	3/4	601.64	3/4	238.56	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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<http://www.pmacorp.net>



BARGE "EMS 52"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	5,194.53	0	4,880.89	0	4,549.48	0	4,204.05	0	3,845.93	0	3,484.38	0	3,122.84	0	2,761.29	0	2,399.88
1/4	1/4	1/4	5,189.42	1/4	4,874.13	1/4	4,542.41	1/4	4,196.71	1/4	3,838.40	1/4	3,476.85	1/4	3,115.31	1/4	2,753.76	1/4	2,392.14
1/2	1/2	1/2	5,184.32	1/2	4,867.37	1/2	4,535.35	1/2	4,189.37	1/2	3,830.87	1/2	3,469.32	1/2	3,107.77	1/2	2,746.23	1/2	2,384.61
3/4	3/4	3/4	5,179.21	3/4	4,862.28	3/4	4,528.28	3/4	4,182.04	3/4	3,823.33	3/4	3,461.79	3/4	3,100.24	3/4	2,738.70	3/4	2,376.07
1	1	1	5,172.90	1	4,855.83	1	4,521.20	1	4,174.67	1	3,815.80	1	3,454.26	1	3,092.71	1	2,731.16	1	2,369.54
1/4	1/4	1/4	5,166.58	1/4	4,847.05	1/4	4,514.11	1/4	4,167.31	1/4	3,808.27	1/4	3,446.72	1/4	3,085.18	1/4	2,723.63	1/4	2,362.00
1/2	1/2	1/2	5,160.27	1/2	4,840.27	1/2	4,507.02	1/2	4,159.95	1/2	3,800.74	1/2	3,439.19	1/2	3,077.65	1/2	2,716.10	1/2	2,354.47
3/4	3/4	3/4	5,153.95	3/4	4,833.48	3/4	4,499.93	3/4	4,152.58	3/4	3,793.21	3/4	3,431.66	3/4	3,070.11	3/4	2,708.57	3/4	2,346.93
2	2	2	5,146.78	2	4,826.68	2	4,492.82	2	4,145.20	2	3,785.67	2	3,424.13	2	3,062.58	2	2,701.04	2	2,339.40
1/4	1/4	1/4	5,139.60	1/4	4,819.87	1/4	4,485.71	1/4	4,137.81	1/4	3,778.14	1/4	3,416.60	1/4	3,055.05	1/4	2,693.50	1/4	2,331.86
1/2	1/2	1/2	5,132.42	1/2	4,813.07	1/2	4,478.60	1/2	4,130.43	1/2	3,770.61	1/2	3,409.06	1/2	3,047.52	1/2	2,685.97	1/2	2,324.33
3/4	3/4	3/4	5,125.24	3/4	4,806.26	3/4	4,471.49	3/4	4,123.04	3/4	3,763.08	3/4	3,401.53	3/4	3,039.99	3/4	2,678.44	3/4	2,316.79
3	3	3	5,118.76	3	4,799.43	3	4,464.36	3	4,115.63	3	3,755.54	3	3,394.00	3	3,032.45	3	2,670.91	3	2,309.25
1/4	1/4	1/4	5,112.28	1/4	4,792.61	1/4	4,457.23	1/4	4,108.22	1/4	3,748.01	1/4	3,386.47	1/4	3,024.92	1/4	2,663.38	1/4	2,301.72
1/2	1/2	1/2	5,105.79	1/2	4,785.78	1/2	4,450.09	1/2	4,100.81	1/2	3,740.48	1/2	3,378.93	1/2	3,017.39	1/2	2,655.84	1/2	2,294.18
3/4	3/4	3/4	5,099.31	3/4	4,778.95	3/4	4,442.96	3/4	4,093.41	3/4	3,732.95	3/4	3,371.40	3/4	3,009.86	3/4	2,648.31	3/4	2,286.65
4	4	4	5,092.80	4	4,772.10	4	4,435.81	4	4,085.97	4	3,725.42	4	3,363.87	4	3,002.32	4	2,640.78	4	2,279.11
1/4	1/4	1/4	5,086.30	1/4	4,765.25	1/4	4,428.65	1/4	4,078.54	1/4	3,717.88	1/4	3,356.34	1/4	2,994.79	1/4	2,633.25	1/4	2,271.58
1/2	1/2	1/2	5,079.79	1/2	4,758.40	1/2	4,421.49	1/2	4,071.11	1/2	3,710.35	1/2	3,348.81	1/2	2,987.26	1/2	2,625.72	1/2	2,264.04
3/4	3/4	3/4	5,073.29	3/4	4,751.54	3/4	4,414.34	3/4	4,063.68	3/4	3,702.82	3/4	3,341.27	3/4	2,979.73	3/4	2,618.19	3/4	2,256.51
5	5	5	5,066.76	5	4,744.67	5	4,407.16	5	4,056.22	5	3,695.25	5	3,333.74	5	2,972.20	5	2,610.66	5	2,248.97
1/4	1/4	1/4	5,060.23	1/4	4,737.80	1/4	4,399.98	1/4	4,048.77	1/4	3,687.75	1/4	3,326.21	1/4	2,964.66	1/4	2,603.12	1/4	2,241.44
1/2	1/2	1/2	5,053.70	1/2	4,730.92	1/2	4,392.80	1/2	4,041.31	1/2	3,680.22	1/2	3,318.68	1/2	2,957.13	1/2	2,595.59	1/2	2,233.90
3/4	3/4	3/4	5,046.17	3/4	4,724.05	3/4	4,385.62	3/4	4,033.86	3/4	3,672.69	3/4	3,311.14	3/4	2,949.60	3/4	2,588.05	3/4	2,226.37
6	6	6	5,040.62	6	4,717.15	6	4,378.42	6	4,026.38	6	3,665.16	6	3,303.61	6	2,942.07	6	2,580.52	6	2,218.83
1/4	1/4	1/4	5,034.06	1/4	4,710.25	1/4	4,371.22	1/4	4,018.90	1/4	3,657.63	1/4	3,296.08	1/4	2,934.53	1/4	2,572.98	1/4	2,211.30
1/2	1/2	1/2	5,027.51	1/2	4,703.34	1/2	4,364.02	1/2	4,011.43	1/2	3,650.09	1/2	3,288.55	1/2	2,927.00	1/2	2,565.45	1/2	2,203.76
3/4	3/4	3/4	5,020.96	3/4	4,696.44	3/4	4,356.81	3/4	4,003.95	3/4	3,642.56	3/4	3,281.02	3/4	2,919.47	3/4	2,557.91	3/4	2,196.23
7	7	7	5,014.38	7	4,689.49	7	4,349.59	7	3,996.45	7	3,635.03	7	3,273.48	7	2,911.94	7	2,550.38	7	2,188.69
1/4	1/4	1/4	5,007.81	1/4	4,682.55	1/4	4,342.36	1/4	3,988.95	1/4	3,627.50	1/4	3,265.95	1/4	2,904.41	1/4	2,542.84	1/4	2,181.16
1/2	1/2	1/2	5,001.23	1/2	4,675.60	1/2	4,335.14	1/2	3,981.45	1/2	3,619.96	1/2	3,258.42	1/2	2,896.87	1/2	2,535.31	1/2	2,173.62
3/4	3/4	3/4	4,994.66	3/4	4,668.65	3/4	4,327.91	3/4	3,973.95	3/4	3,612.43	3/4	3,250.89	3/4	2,889.34	3/4	2,527.77	3/4	2,166.09
8	8	8	4,988.05	8	4,661.67	8	4,320.67	8	3,966.42	8	3,604.90	8	3,243.35	8	2,881.81	8	2,520.24	8	2,158.55
1/4	1/4	1/4	4,981.44	1/4	4,654.70	1/4	4,313.42	1/4	3,959.90	1/4	3,597.37	1/4	3,235.82	1/4	2,874.28	1/4	2,512.70	1/4	2,151.02
1/2	1/2	1/2	4,974.84	1/2	4,647.73	1/2	4,306.17	1/2	3,951.37	1/2	3,589.84	1/2	3,228.29	1/2	2,866.74	1/2	2,505.17	1/2	2,143.48
3/4	3/4	3/4	4,968.23	3/4	4,640.76	3/4	4,298.92	3/4	3,943.85	3/4	3,582.30	3/4	3,220.76	3/4	2,859.21	3/4	2,497.63	3/4	2,135.95
9	9	9	4,961.54	9	4,633.76	9	4,291.65	9	3,936.32	9	3,574.77	9	3,213.23	9	2,851.68	9	2,490.10	9	2,128.41
1/4	1/4	1/4	4,954.84	1/4	4,626.77	1/4	4,284.38	1/4	3,928.78	1/4	3,567.24	1/4	3,205.69	1/4	2,844.15	1/4	2,482.56	1/4	2,120.88
1/2	1/2	1/2	4,948.15	1/2	4,619.72	1/2	4,277.11	1/2	3,921.25	1/2	3,559.71	1/2	3,198.16	1/2	2,836.62	1/2	2,475.03	1/2	2,113.34
3/4	3/4	3/4	4,941.46	3/4	4,612.78	3/4	4,269.84	3/4	3,913.72	3/4	3,552.17	3/4	3,190.63	3/4	2,829.08	3/4	2,467.49	3/4	2,105.81
10	10	10	4,934.74	10	4,605.76	10	4,262.54	10	3,906.19	10	3,544.64	10	3,183.10	10	2,821.55	10	2,459.96	10	2,098.27
1/4	1/4	1/4	4,928.03	1/4	4,598.74	1/4	4,255.25	1/4	3,898.66	1/4	3,537.11	1/4	3,175.56	1/4	2,814.02	1/4	2,452.42	1/4	2,090.74
1/2	1/2	1/2	4,921.31	1/2	4,591.72	1/2	4,247.96	1/2	3,891.12	1/2	3,529.58	1/2	3,168.03	1/2	2,806.49	1/2	2,444.89	1/2	2,083.20
3/4	3/4	3/4	4,914.60	3/4	4,584.70	3/4	4,240.66	3/4	3,883.59	3/4	3,522.05	3/4	3,160.50	3/4	2,798.95	3/4	2,437.35	3/4	2,075.67
11	11	11	4,907.86	11	4,577.66	11	4,233.35	11	3,876.06	11	3,514.51	11	3,152.97	11	2,791.42	11	2,429.82	11	2,068.13
1/4	1/4	1/4	4,901.12	1/4	4,570.62	1/4	4,226.03	1/4	3,868.53	1/4	3,506.98	1/4	3,145.44	1/4	2,783.89	1/4	2,422.28	1/4	2,060.60
1/2	1/2	1/2	4,894.39	1/2	4,563.58	1/2	4,218.71	1/2	3,860.99	1/2	3,499.45	1/2	3,137.90	1/2	2,776.36	1/2	2,414.75	1/2	2,053.06
3/4	3/4	3/4	4,887.65	3/4	4,556.84	3/4	4,211.39	3/4	3,853.46	3/4	3,491.92	3/4	3,130.37	3/4	2,768.83	3/4	2,407.21	3/4	2,045.53

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pma-inc.com>



BARGE "EMS 527"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS																GAUGE HEIGHT 15'-07 3/4"			
	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	2,037.99	0	1,676.31	0	1,314.62	0	953.40	0	591.76	0	230.10	0							
1/4	2,030.46	1/4	1,668.77	1/4	1,307.09	1/4	945.87	1/4	584.23	1/4	222.56	1/4					1/4		
1/2	2,022.92	1/2	1,661.24	1/2	1,299.55	1/2	938.35	1/2	576.69	1/2	215.03	1/2					1/2		
3/4	2,015.39	3/4	1,653.70	3/4	1,292.02	3/4	930.82	3/4	569.16	3/4	207.49	3/4					3/4		
1	2,007.85	1	1,646.17	1	1,284.48	1	923.29	1	561.62	1	199.96	1					1		
1 1/4	2,000.32	1 1/4	1,638.63	1 1/4	1,276.95	1 1/4	915.75	1 1/4	554.09	1 1/4	192.42	1 1/4					1 1/4		
1 1/2	1,992.78	1 1/2	1,631.10	1 1/2	1,269.41	1 1/2	908.22	1 1/2	546.55	1 1/2	184.89	1 1/2					1 1/2		
3/4	1,985.25	3/4	1,623.56	3/4	1,261.88	3/4	900.68	3/4	539.02	3/4	177.35	3/4					3/4		
2	1,977.71	2	1,616.03	2	1,254.34	2	893.15	2	531.48	2	169.82	2					2		
1 1/4	1,970.18	1 1/4	1,608.49	1 1/4	1,246.81	1 1/4	885.62	1 1/4	523.95	1 1/4	162.28	1 1/4					1 1/4		
1 1/2	1,962.64	1 1/2	1,600.96	1 1/2	1,239.27	1 1/2	878.08	1 1/2	516.42	1 1/2	154.75	1 1/2					1 1/2		
3/4	1,955.11	3/4	1,593.42	3/4	1,231.74	3/4	870.55	3/4	508.88	3/4	147.21	3/4					3/4		
3	1,947.57	3	1,585.89	3	1,224.22	3	863.01	3	501.35	3	139.68	3					3		
1 1/4	1,940.03	1 1/4	1,578.35	1 1/4	1,216.70	1 1/4	855.48	1 1/4	493.81	1 1/4	132.15	1 1/4					1 1/4		
1 1/2	1,932.50	1 1/2	1,570.82	1 1/2	1,209.17	1 1/2	847.94	1 1/2	486.28	1 1/2	124.61	1 1/2					1 1/2		
3/4	1,924.96	3/4	1,563.28	3/4	1,201.65	3/4	840.41	3/4	478.74	3/4	117.08	3/4					3/4		
4	1,917.43	4	1,555.74	4	1,194.13	4	832.87	4	471.21	4	109.62	4					4		
1 1/4	1,909.89	1 1/4	1,548.21	1 1/4	1,186.60	1 1/4	825.34	1 1/4	463.67	1 1/4	102.16	1 1/4					1 1/4		
1 1/2	1,902.36	1 1/2	1,540.67	1 1/2	1,179.08	1 1/2	817.80	1 1/2	456.14	1 1/2	94.71	1 1/2					1 1/2		
3/4	1,894.82	3/4	1,533.14	3/4	1,171.56	3/4	810.27	3/4	448.60	3/4	87.25	3/4					3/4		
5	1,887.29	5	1,525.60	5	1,164.04	5	802.73	5	441.07	5	80.50	5					5		
1 1/4	1,879.75	1 1/4	1,518.07	1 1/4	1,156.51	1 1/4	795.20	1 1/4	433.53	1 1/4	73.75	1 1/4					1 1/4		
1 1/2	1,872.22	1 1/2	1,510.53	1 1/2	1,148.99	1 1/2	787.66	1 1/2	426.00	1 1/2	67.00	1 1/2					1 1/2		
3/4	1,864.68	3/4	1,503.00	3/4	1,141.47	3/4	780.13	3/4	418.46	3/4	60.25	3/4					3/4		
6	1,857.15	6	1,495.46	6	1,133.95	6	772.59	6	410.93	6	54.76	6					6		
1 1/4	1,849.61	1 1/4	1,487.93	1 1/4	1,126.42	1 1/4	765.06	1 1/4	403.39	1 1/4	49.27	1 1/4					1 1/4		
1 1/2	1,842.08	1 1/2	1,480.39	1 1/2	1,118.90	1 1/2	757.53	1 1/2	395.86	1 1/2	43.77	1 1/2					1 1/2		
3/4	1,834.54	3/4	1,472.86	3/4	1,111.38	3/4	749.99	3/4	388.33	3/4	38.28	3/4					3/4		
7	1,827.01	7	1,465.32	7	1,103.85	7	742.46	7	380.79	7	34.04	7					7		
1 1/4	1,819.47	1 1/4	1,457.79	1 1/4	1,096.33	1 1/4	734.92	1 1/4	373.26	1 1/4	29.81	1 1/4					1 1/4		
1 1/2	1,811.94	1 1/2	1,450.25	1 1/2	1,088.81	1 1/2	727.39	1 1/2	365.72	1 1/2	25.57	1 1/2					1 1/2		
3/4	1,804.40	3/4	1,442.72	3/4	1,081.29	3/4	719.85	3/4	358.19	3/4	21.33	3/4					3/4		
8	1,796.87	8	1,435.18	8	1,073.76	8	712.32	8	350.65	8	=====	8					8		
1 1/4	1,789.33	1 1/4	1,427.65	1 1/4	1,066.24	1 1/4	704.78	1 1/4	343.12	1 1/4		1 1/4					1 1/4		
1 1/2	1,781.80	1 1/2	1,420.11	1 1/2	1,058.72	1 1/2	697.25	1 1/2	335.58	1 1/2		1 1/2					1 1/2		
3/4	1,774.26	3/4	1,412.58	3/4	1,051.20	3/4	689.71	3/4	328.05	3/4		3/4					3/4		
9	1,766.73	9	1,405.04	9	1,043.67	9	682.18	9	320.51	9		9					9		
1 1/4	1,759.19	1 1/4	1,397.51	1 1/4	1,036.15	1 1/4	674.64	1 1/4	312.98	1 1/4		1 1/4					1 1/4		
1 1/2	1,751.66	1 1/2	1,389.97	1 1/2	1,028.63	1 1/2	667.11	1 1/2	305.44	1 1/2		1 1/2					1 1/2		
3/4	1,744.12	3/4	1,382.44	3/4	1,021.11	3/4	659.57	3/4	297.91	3/4		3/4					3/4		
10	1,736.59	10	1,374.90	10	1,013.58	10	652.04	10	290.37	10		10					10		
1 1/4	1,729.05	1 1/4	1,367.37	1 1/4	1,006.06	1 1/4	644.50	1 1/4	282.84	1 1/4		1 1/4					1 1/4		
1 1/2	1,721.52	1 1/2	1,359.83	1 1/2	998.54	1 1/2	636.97	1 1/2	275.30	1 1/2		1 1/2					1 1/2		
3/4	1,713.98	3/4	1,352.30	3/4	991.01	3/4	629.44	3/4	267.77	3/4		3/4					3/4		
11	1,706.45	11	1,344.76	11	983.49	11	621.90	11	260.24	11		11					11		
1 1/4	1,698.91	1 1/4	1,337.23	1 1/4	975.97	1 1/4	614.37	1 1/4	252.70	1 1/4		1 1/4					1 1/4		
1 1/2	1,691.38	1 1/2	1,329.69	1 1/2	968.45	1 1/2	606.83	1 1/2	245.17	1 1/2		1 1/2					1 1/2		
3/4	1,683.84	3/4	1,322.16	3/4	960.92	3/4	599.30	3/4	237.63	3/4		3/4					3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pasland, Texas 77568
<http://www.pmacorp.net>



BARGE "EMS 527"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	5,174.13	0	4,858.81	0	4,527.06	0	4,181.33	0	3,822.98	0	3,461.39	0	3,099.79	0	2,738.20	0	2,376.52
1/4	1/4	1/4	5,169.93	1/4	4,852.05	1/4	4,519.99	1/4	4,173.99	1/4	3,815.95	1/4	3,453.85	1/4	3,092.26	1/4	2,730.67	1/4	2,368.98
1/2	1/2	1/2	4,845.92	1/2	4,485.29	1/2	4,124.93	1/2	3,764.65	1/2	3,404.37	1/2	3,044.08	1/2	2,683.79	1/2	2,323.50	1/2	1,963.21
3/4	3/4	3/4	4,517.61	3/4	4,157.98	3/4	3,800.38	3/4	3,442.78	3/4	3,085.18	3/4	2,727.58	3/4	2,369.98	3/4	2,012.38	3/4	1,654.79
1	1	1	5,151.29	1	4,831.72	1	4,498.75	1	4,159.22	1	3,820.65	1	3,481.12	1	3,141.59	1	2,802.06	1	2,462.53
1/4	1/4	1/4	5,144.97	1/4	4,824.94	1/4	4,491.67	1/4	4,144.55	1/4	3,785.31	1/4	3,423.72	1/4	3,062.13	1/4	2,700.53	1/4	2,338.94
1/2	1/2	1/2	5,138.66	1/2	4,818.16	1/2	4,485.58	1/2	4,137.19	1/2	3,777.78	1/2	3,416.19	1/2	3,054.59	1/2	2,693.00	1/2	2,331.41
3/4	3/4	3/4	5,131.48	3/4	4,811.35	3/4	4,477.47	3/4	4,129.80	3/4	3,770.25	3/4	3,408.65	3/4	3,047.06	3/4	2,685.47	3/4	2,323.76
2	2	2	5,124.30	2	4,804.55	2	4,470.36	2	4,122.42	2	3,762.71	2	3,401.12	2	3,039.53	2	2,677.93	2	2,316.23
1/4	1/4	1/4	5,117.12	1/4	4,797.74	1/4	4,463.25	1/4	4,115.03	1/4	3,755.18	1/4	3,393.59	1/4	3,031.99	1/4	2,670.40	1/4	2,308.69
1/2	1/2	1/2	5,109.94	1/2	4,790.94	1/2	4,456.14	1/2	4,107.64	1/2	3,747.65	1/2	3,386.05	1/2	3,024.46	1/2	2,662.87	1/2	2,301.16
3/4	3/4	3/4	5,103.46	3/4	4,784.11	3/4	4,449.00	3/4	4,100.24	3/4	3,740.12	3/4	3,378.52	3/4	3,016.93	3/4	2,655.33	3/4	2,293.62
3	3	3	5,096.97	3	4,777.28	3	4,441.87	3	4,092.83	3	3,732.58	3	3,370.99	3	3,009.39	3	2,647.80	3	2,286.08
1/4	1/4	1/4	5,090.49	1/4	4,770.45	1/4	4,434.73	1/4	4,085.42	1/4	3,725.05	1/4	3,363.46	1/4	3,001.86	1/4	2,640.27	1/4	2,278.55
1/2	1/2	1/2	5,084.01	1/2	4,763.62	1/2	4,427.60	1/2	4,078.01	1/2	3,717.52	1/2	3,355.92	1/2	2,994.33	1/2	2,632.73	1/2	2,271.01
3/4	3/4	3/4	5,077.50	3/4	4,756.77	3/4	4,420.44	3/4	4,070.57	3/4	3,709.98	3/4	3,348.39	3/4	2,986.80	3/4	2,625.20	3/4	2,263.48
4	4	4	5,070.99	4	4,749.92	4	4,413.29	4	4,063.14	4	3,702.45	4	3,340.86	4	2,979.26	4	2,617.66	4	2,255.94
1/4	1/4	1/4	5,064.49	1/4	4,743.06	1/4	4,406.13	1/4	4,055.71	1/4	3,694.92	1/4	3,333.32	1/4	2,971.73	1/4	2,610.13	1/4	2,248.41
1/2	1/2	1/2	5,057.98	1/2	4,736.21	1/2	4,398.97	1/2	4,048.28	1/2	3,687.38	1/2	3,325.79	1/2	2,964.20	1/2	2,602.59	1/2	2,240.87
3/4	3/4	3/4	5,051.45	3/4	4,729.34	3/4	4,391.79	3/4	4,040.82	3/4	3,679.85	3/4	3,318.26	3/4	2,956.66	3/4	2,595.06	3/4	2,233.33
5	5	5	5,044.92	5	4,722.46	5	4,384.61	5	4,033.36	5	3,672.32	5	3,310.72	5	2,949.13	5	2,587.52	5	2,225.80
1/4	1/4	1/4	5,038.39	1/4	4,715.59	1/4	4,377.43	1/4	4,025.91	1/4	3,664.78	1/4	3,303.19	1/4	2,941.60	1/4	2,579.98	1/4	2,218.26
1/2	1/2	1/2	5,031.86	1/2	4,708.71	1/2	4,370.25	1/2	4,018.45	1/2	3,657.25	1/2	3,295.66	1/2	2,934.06	1/2	2,572.45	1/2	2,210.73
3/4	3/4	3/4	5,025.31	3/4	4,701.81	3/4	4,363.05	3/4	4,010.97	3/4	3,649.72	3/4	3,288.12	3/4	2,926.53	3/4	2,564.91	3/4	2,203.19
6	6	6	5,018.75	6	4,694.91	6	4,355.85	6	4,003.50	6	3,642.18	6	3,280.59	6	2,919.00	6	2,557.38	6	2,195.65
1/4	1/4	1/4	5,012.20	1/4	4,688.01	1/4	4,348.65	1/4	3,996.02	1/4	3,634.65	1/4	3,273.06	1/4	2,911.46	1/4	2,549.84	1/4	2,188.12
1/2	1/2	1/2	5,005.65	1/2	4,681.11	1/2	4,341.44	1/2	3,988.54	1/2	3,627.12	1/2	3,265.52	1/2	2,903.93	1/2	2,542.31	1/2	2,180.58
3/4	3/4	3/4	4,999.07	3/4	4,674.16	3/4	4,334.22	3/4	3,981.04	3/4	3,619.58	3/4	3,257.99	3/4	2,896.40	3/4	2,534.77	3/4	2,173.05
7	7	7	4,992.50	7	4,667.21	7	4,326.99	7	3,973.54	7	3,612.05	7	3,250.46	7	2,888.86	7	2,527.23	7	2,165.51
1/4	1/4	1/4	4,985.92	1/4	4,660.26	1/4	4,319.77	1/4	3,966.03	1/4	3,604.52	1/4	3,242.92	1/4	2,881.33	1/4	2,519.70	1/4	2,157.97
1/2	1/2	1/2	4,979.35	1/2	4,653.31	1/2	4,312.54	1/2	3,958.53	1/2	3,596.98	1/2	3,235.39	1/2	2,873.80	1/2	2,512.16	1/2	2,150.44
3/4	3/4	3/4	4,972.74	3/4	4,646.33	3/4	4,305.29	3/4	3,951.01	3/4	3,589.45	3/4	3,227.86	3/4	2,866.26	3/4	2,504.63	3/4	2,142.90
8	8	8	4,966.13	8	4,639.36	8	4,298.04	8	3,943.49	8	3,581.92	8	3,220.32	8	2,858.73	8	2,497.09	8	2,135.37
1/4	1/4	1/4	4,959.52	1/4	4,632.39	1/4	4,290.79	1/4	3,935.97	1/4	3,574.38	1/4	3,212.79	1/4	2,851.20	1/4	2,489.55	1/4	2,127.83
1/2	1/2	1/2	4,952.92	1/2	4,625.42	1/2	4,283.55	1/2	3,928.45	1/2	3,566.85	1/2	3,205.26	1/2	2,843.66	1/2	2,482.02	1/2	2,120.29
3/4	3/4	3/4	4,946.22	3/4	4,618.42	3/4	4,276.27	3/4	3,920.91	3/4	3,559.32	3/4	3,197.72	3/4	2,836.13	3/4	2,474.48	3/4	2,112.76
9	9	9	4,939.53	9	4,611.42	9	4,269.00	9	3,913.38	9	3,551.79	9	3,190.19	9	2,828.60	9	2,466.95	9	2,105.22
1/4	1/4	1/4	4,932.84	1/4	4,604.43	1/4	4,261.73	1/4	3,905.85	1/4	3,544.25	1/4	3,182.66	1/4	2,821.06	1/4	2,459.41	1/4	2,097.69
1/2	1/2	1/2	4,926.14	1/2	4,597.43	1/2	4,254.46	1/2	3,896.31	1/2	3,536.72	1/2	3,175.13	1/2	2,813.53	1/2	2,451.87	1/2	2,090.15
3/4	3/4	3/4	4,919.43	3/4	4,590.41	3/4	4,247.16	3/4	3,889.78	3/4	3,529.19	3/4	3,167.59	3/4	2,806.00	3/4	2,444.34	3/4	2,082.62
10	10	10	4,912.71	10	4,583.39	10	4,239.87	10	3,883.25	10	3,521.65	10	3,160.06	10	2,798.47	10	2,436.80	10	2,075.08
1/4	1/4	1/4	4,905.99	1/4	4,576.38	1/4	4,232.57	1/4	3,875.71	1/4	3,514.12	1/4	3,152.53	1/4	2,790.33	1/4	2,429.27	1/4	2,067.54
1/2	1/2	1/2	4,899.28	1/2	4,569.36	1/2	4,225.28	1/2	3,866.18	1/2	3,506.55	1/2	3,144.96	1/2	2,783.40	1/2	2,421.73	1/2	2,060.01
3/4	3/4	3/4	4,892.54	3/4	4,562.31	3/4	4,217.96	3/4	3,860.65	3/4	3,499.05	3/4	3,137.46	3/4	2,775.87	3/4	2,414.19	3/4	2,052.47
11	11	11	4,885.80	11	4,555.27	11	4,210.64	11	3,853.11	11	3,491.52	11	3,129.93	11	2,768.33	11	2,406.66	11	2,044.94
1/4	1/4	1/4	4,879.07	1/4	4,548.23	1/4	4,203.33	1/4	3,845.58	1/4	3,483.99	1/4	3,122.39	1/4	2,760.80	1/4	2,399.12	1/4	2,037.40
1/2	1/2	1/2	4,872.33	1/2	4,541.19	1/2	4,196.01	1/2	3,838.05	1/2	3,476.45	1/2	3,114.86	1/2	2,753.27	1/2	2,391.59	1/2	2,029.66
3/4	3/4	3/4	4,865.57	3/4	4,534.12	3/4	4,188.67	3/4	3,830.51	3/4	3,468.92	3/4	3,107.33	3/4	2,745.73	3/4	2,384.05	3/4	2,022.33

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>

Paul J. Mac

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED TO 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.



BARGE "EMS 527"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5
0	2,014.79	0	1,653.07	0	1,291.35	0	944.18	0	584.31	0	222.60	0		0							
1/4	2,007.26	1/4	1,645.53	1/4	1,283.81	1/4	936.98	1/4	576.78	1/4	215.06	1/4		1/4							
1/2	1,999.72	1/2	1,638.00	1/2	1,276.27	1/2	929.79	1/2	569.24	1/2	207.53	1/2		1/2							
3/4	1,992.18	3/4	1,630.46	3/4	1,268.78	3/4	922.94	3/4	561.70	3/4	199.99	3/4		3/4							
1	1,984.65	1	1,622.93	1	1,261.28	1	915.30	1	554.17	1	192.46	1		1							
1 1/4	1,977.11	1 1/4	1,615.39	1 1/4	1,253.79	1 1/4	908.06	1 1/4	546.63	1 1/4	184.92	1 1/4		1 1/4							
1 1/2	1,969.58	1 1/2	1,607.85	1 1/2	1,246.30	1 1/2	900.81	1 1/2	539.10	1 1/2	177.38	1 1/2		1 1/2							
3/4	1,962.04	3/4	1,600.32	3/4	1,239.09	3/4	893.28	3/4	531.56	3/4	169.85	3/4		3/4							
2	1,954.51	2	1,592.78	2	1,231.89	2	885.74	2	524.03	2	162.31	2		2							
1 1/4	1,946.97	1 1/4	1,585.25	1 1/4	1,224.69	1 1/4	878.20	1 1/4	516.49	1 1/4	154.78	1 1/4		1 1/4							
1 1/2	1,939.43	1 1/2	1,577.71	1 1/2	1,217.49	1 1/2	870.67	1 1/2	508.95	1 1/2	147.24	1 1/2		1 1/2							
3/4	1,931.90	3/4	1,570.17	3/4	1,210.29	3/4	863.13	3/4	501.42	3/4	139.71	3/4		3/4							
3	1,924.36	3	1,562.64	3	1,203.10	3	855.60	3	493.88	3	132.17	3		3							
1 1/4	1,916.83	1 1/4	1,555.10	1 1/4	1,195.91	1 1/4	848.06	1 1/4	486.35	1 1/4	124.63	1 1/4		1 1/4							
1 1/2	1,909.29	1 1/2	1,547.57	1 1/2	1,188.72	1 1/2	840.53	1 1/2	478.81	1 1/2	117.10	1 1/2		1 1/2							
3/4	1,901.75	3/4	1,540.03	3/4	1,181.52	3/4	832.99	3/4	471.28	3/4	109.64	3/4		3/4							
4	1,894.22	4	1,532.49	4	1,174.33	4	825.45	4	463.74	4	102.18	4		4							
1 1/4	1,886.68	1 1/4	1,524.96	1 1/4	1,167.14	1 1/4	817.92	1 1/4	456.20	1 1/4	94.73	1 1/4		1 1/4							
1 1/2	1,879.15	1 1/2	1,517.42	1 1/2	1,159.95	1 1/2	810.38	1 1/2	448.67	1 1/2	87.27	1 1/2		1 1/2							
3/4	1,871.61	3/4	1,509.89	3/4	1,152.75	3/4	802.85	3/4	441.13	3/4	80.52	3/4		3/4							
5	1,864.07	5	1,502.35	5	1,145.56	5	795.31	5	433.60	5	73.77	5		5							
1 1/4	1,856.54	1 1/4	1,494.82	1 1/4	1,138.37	1 1/4	787.78	1 1/4	426.06	1 1/4	67.02	1 1/4		1 1/4							
1 1/2	1,849.00	1 1/2	1,487.28	1 1/2	1,131.18	1 1/2	780.24	1 1/2	418.53	1 1/2	60.27	1 1/2		1 1/2							
3/4	1,841.47	3/4	1,479.74	3/4	1,123.99	3/4	772.70	3/4	410.99	3/4	54.77	3/4		3/4							
6	1,833.93	6	1,472.21	6	1,116.79	6	765.17	6	403.45	6	49.28	6		6							
1 1/4	1,826.39	1 1/4	1,464.67	1 1/4	1,109.60	1 1/4	757.63	1 1/4	395.92	1 1/4	43.79	1 1/4		1 1/4							
1 1/2	1,818.86	1 1/2	1,457.14	1 1/2	1,102.41	1 1/2	750.10	1 1/2	388.38	1 1/2	38.29	1 1/2		1 1/2							
3/4	1,811.32	3/4	1,449.60	3/4	1,095.22	3/4	742.56	3/4	380.85	3/4	34.05	3/4		3/4							
7	1,803.79	7	1,442.06	7	1,088.02	7	735.03	7	373.31	7	29.82	7		7							
1 1/4	1,796.25	1 1/4	1,434.53	1 1/4	1,080.83	1 1/4	727.49	1 1/4	365.78	1 1/4	25.58	1 1/4		1 1/4							
1 1/2	1,788.72	1 1/2	1,426.99	1 1/2	1,073.64	1 1/2	719.95	1 1/2	358.24	1 1/2	21.34	1 1/2		1 1/2							
3/4	1,781.18	3/4	1,419.46	3/4	1,066.45	3/4	712.42	3/4	350.70	3/4	17.09	3/4		3/4							
8	1,773.64	8	1,411.92	8	1,059.26	8	704.88	8	343.17	8	12.80	8		8							
1 1/4	1,766.11	1 1/4	1,404.38	1 1/4	1,052.06	1 1/4	697.35	1 1/4	335.63	1 1/4	8.51	1 1/4		1 1/4							
1 1/2	1,758.57	1 1/2	1,396.85	1 1/2	1,044.87	1 1/2	689.81	1 1/2	328.10	1 1/2	4.22	1 1/2		1 1/2							
3/4	1,751.04	3/4	1,389.31	3/4	1,037.68	3/4	682.28	3/4	320.56	3/4	0.00	3/4		3/4							
9	1,743.50	9	1,381.78	9	1,030.49	9	674.74	9	313.03	9	0.00	9		9							
1 1/4	1,735.96	1 1/4	1,374.24	1 1/4	1,023.29	1 1/4	667.20	1 1/4	305.49	1 1/4	0.00	1 1/4		1 1/4							
1 1/2	1,728.43	1 1/2	1,366.70	1 1/2	1,016.10	1 1/2	659.67	1 1/2	297.95	1 1/2	0.00	1 1/2		1 1/2							
3/4	1,720.89	3/4	1,359.17	3/4	1,008.91	3/4	652.13	3/4	290.42	3/4	0.00	3/4		3/4							
10	1,713.36	10	1,351.63	10	1,001.72	10	644.60	10	282.88	10	0.00	10		10							
1 1/4	1,705.82	1 1/4	1,344.10	1 1/4	994.52	1 1/4	637.06	1 1/4	275.35	1 1/4	0.00	1 1/4		1 1/4							
1 1/2	1,698.28	1 1/2	1,336.56	1 1/2	987.33	1 1/2	629.53	1 1/2	267.81	1 1/2	0.00	1 1/2		1 1/2							
3/4	1,690.75	3/4	1,329.03	3/4	980.14	3/4	621.99	3/4	260.28	3/4	0.00	3/4		3/4							
11	1,683.21	11	1,321.49	11	972.95	11	614.45	11	252.74	11	0.00	11		11							
1 1/4	1,675.68	1 1/4	1,313.95	1 1/4	965.76	1 1/4	606.92	1 1/4	245.20	1 1/4	0.00	1 1/4		1 1/4							
1 1/2	1,668.14	1 1/2	1,306.42	1 1/2	958.56	1 1/2	599.38	1 1/2	237.67	1 1/2	0.00	1 1/2		1 1/2							
3/4	1,660.60	3/4	1,298.88	3/4	951.37	3/4	591.85	3/4	230.13	3/4	0.00	3/4		3/4							

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588
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3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.	
	IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN	IN
0			0		4,244.20	0		4,240.59	0		4,066.76	0		3,861.80	0		3,689.97	0		3,484.05	0		3,125.68	0		2,766.06	0		2,405.83
1/4	1/4		4,401.27	1/4	4,240.59	1/4	4,066.98	1/4	3,877.88	1/4	3,685.98	1/4	3,476.58	1/4	3,118.19	1/4	2,758.55	1/4	2,398.33	1/4	2,038.11	1/4	1,678.00	1/4	1,317.89	1/4	957.78	1/4	600.67
1/2	1/2		4,399.62	1/2	4,236.96	1/2	4,059.19	1/2	3,873.94	1/2	3,681.89	1/2	3,469.11	1/2	3,110.70	1/2	2,751.05	1/2	2,390.82	1/2	2,030.60	1/2	1,676.49	1/2	1,315.58	1/2	956.12	1/2	599.20
3/4	3/4		4,397.96	3/4	4,233.34	3/4	4,055.40	3/4	3,870.00	3/4	3,677.85	3/4	3,461.64	3/4	3,103.21	3/4	2,743.54	3/4	2,383.32	3/4	2,028.39	3/4	1,674.88	3/4	1,314.07	3/4	954.73	3/4	597.85
1	1		4,396.31	1	4,229.71	1	4,051.61	1	3,866.07	1	3,673.81	1	3,454.16	1	3,095.72	1	2,735.81	1	2,375.81	1	2,023.08	1	1,672.37	1	1,312.56	1	953.28	1	596.31
1/4	1/4		4,394.66	1/4	4,226.08	1/4	4,047.82	1/4	3,862.13	1/4	3,669.77	1/4	3,446.69	1/4	3,088.23	1/4	2,728.54	1/4	2,368.30	1/4	2,020.80	1/4	1,670.15	1/4	1,310.35	1/4	951.96	1/4	594.84
1/2	1/2		4,391.78	1/2	4,222.45	1/2	4,044.02	1/2	3,858.18	1/2	3,665.73	1/2	3,439.22	1/2	3,080.74	1/2	2,721.03	1/2	2,360.80	1/2	2,018.02	1/2	1,668.00	1/2	1,308.60	1/2	950.49	1/2	593.37
3/4	3/4		4,388.91	3/4	4,218.81	3/4	4,040.22	3/4	3,854.23	3/4	3,661.69	3/4	3,431.75	3/4	3,073.25	3/4	2,716.52	3/4	2,353.29	3/4	2,015.99	3/4	1,665.99	3/4	2,300.76	3/4	2,283.25	3/4	2,261.00
2	2		4,386.04	2	4,215.17	2	4,036.42	2	3,850.29	2	3,657.65	2	3,424.27	2	3,065.75	2	2,706.32	2	2,345.79	2	2,013.06	2	1,663.50	2	2,293.25	2	2,259.75	2	2,237.25
1/4	1/4		4,383.16	1/4	4,211.53	1/4	4,032.62	1/4	3,846.34	1/4	3,653.61	1/4	3,416.80	1/4	3,058.26	1/4	2,698.52	1/4	2,338.28	1/4	2,010.80	1/4	1,661.00	1/4	2,283.27	1/4	2,255.72	1/4	2,235.72
1/2	1/2		4,379.38	1/2	4,207.88	1/2	4,028.81	1/2	3,842.38	1/2	3,649.57	1/2	3,409.33	1/2	3,050.77	1/2	2,691.02	1/2	2,330.78	1/2	2,008.00	1/2	1,658.99	1/2	2,278.24	1/2	2,251.72	1/2	2,230.72
3/4	3/4		4,375.59	3/4	4,204.23	3/4	4,024.99	3/4	3,838.41	3/4	3,645.53	3/4	3,401.86	3/4	3,043.37	3/4	2,683.51	3/4	2,323.27	3/4	2,005.79	3/4	1,656.99	3/4	2,270.73	3/4	2,248.22	3/4	2,225.72
3	3		4,371.80	3	4,200.58	3	4,021.18	3	3,834.45	3	3,641.49	3	3,394.38	3	3,035.79	3	2,676.01	3	2,315.77	3	2,003.00	3	1,654.99	3	2,263.49	3	2,241.22	3	2,218.24
1/4	1/4		4,368.01	1/4	4,196.93	1/4	4,017.37	1/4	3,830.49	1/4	3,637.45	1/4	3,386.91	1/4	3,028.30	1/4	2,668.50	1/4	2,308.26	1/4	2,000.00	1/4	1,652.99	1/4	2,259.75	1/4	2,237.25	1/4	2,216.24
1/2	1/2		4,364.54	1/2	4,193.26	1/2	4,013.54	1/2	3,826.52	1/2	3,633.44	1/2	3,379.44	1/2	3,020.81	1/2	2,661.00	1/2	2,300.76	1/2	1,998.00	1/2	1,650.99	1/2	2,255.72	1/2	2,233.27	1/2	2,213.24
3/4	3/4		4,361.06	3/4	4,189.60	3/4	4,009.72	3/4	3,822.55	3/4	3,629.37	3/4	3,371.97	3/4	3,013.32	3/4	2,653.50	3/4	2,293.25	3/4	1,995.99	3/4	1,648.99	3/4	2,251.72	3/4	2,229.27	3/4	2,208.24
4	4		4,357.58	4	4,185.94	4	4,005.89	4	3,818.57	4	3,625.33	4	3,364.49	4	3,005.82	4	2,645.99	4	2,285.75	4	1,993.00	4	1,646.99	4	2,248.22	4	2,225.72	4	2,203.24
1/4	1/4		4,354.10	1/4	4,182.27	1/4	4,002.07	1/4	3,814.60	1/4	3,621.29	1/4	3,357.02	1/4	2,998.33	1/4	2,638.49	1/4	2,278.24	1/4	1,990.00	1/4	1,644.99	1/4	2,244.22	1/4	2,221.72	1/4	2,199.24
1/2	1/2		4,350.62	1/2	4,178.60	1/2	3,998.23	1/2	3,810.61	1/2	3,617.25	1/2	3,349.55	1/2	2,990.84	1/2	2,630.98	1/2	2,270.73	1/2	1,987.00	1/2	1,642.99	1/2	2,240.22	1/2	2,218.72	1/2	2,196.74
3/4	3/4		4,347.13	3/4	4,174.92	3/4	3,994.39	3/4	3,806.63	3/4	3,613.21	3/4	3,342.08	3/4	2,983.35	3/4	2,623.48	3/4	2,263.23	3/4	1,984.00	3/4	1,640.99	3/4	2,238.24	3/4	2,215.72	3/4	2,193.74
5	5		4,343.64	5	4,171.25	5	3,990.55	5	3,802.64	5	3,609.18	5	3,334.61	5	2,975.86	5	2,615.88	5	2,255.72	5	1,980.00	5	1,638.99	5	2,233.27	5	2,210.72	5	2,187.74
1/4	1/4		4,340.15	1/4	4,167.57	1/4	3,986.71	1/4	3,798.66	1/4	3,605.14	1/4	3,327.14	1/4	2,968.37	1/4	2,608.48	1/4	2,248.22	1/4	1,977.00	1/4	1,636.99	1/4	2,230.72	1/4	2,208.24	1/4	2,185.74
1/2	1/2		4,336.65	1/2	4,163.88	1/2	3,982.86	1/2	3,794.66	1/2	3,601.10	1/2	3,319.68	1/2	2,960.38	1/2	2,605.97	1/2	2,243.71	1/2	1,974.00	1/2	1,634.99	1/2	2,228.24	1/2	2,205.72	1/2	2,182.74
3/4	3/4		4,333.14	3/4	4,160.20	3/4	3,979.01	3/4	3,790.66	3/4	3,597.06	3/4	3,312.23	3/4	2,953.39	3/4	2,600.97	3/4	2,239.21	3/4	1,971.00	3/4	1,632.99	3/4	2,225.72	3/4	2,202.72	3/4	2,180.74
6	6		4,329.64	6	4,156.51	6	3,975.16	6	3,786.66	6	3,593.92	6	3,304.77	6	2,945.90	6	2,595.86	6	2,225.70	6	1,968.00	6	1,630.99	6	2,221.72	6	2,199.24	6	2,176.74
1/4	1/4		4,326.14	1/4	4,152.82	1/4	3,971.31	1/4	3,782.67	1/4	3,588.98	1/4	3,297.31	1/4	2,938.40	1/4	2,578.46	1/4	2,218.20	1/4	1,965.00	1/4	1,628.99	1/4	2,218.24	1/4	2,196.74	1/4	2,174.74
1/2	1/2		4,322.63	1/2	4,149.12	1/2	3,967.45	1/2	3,778.66	1/2	3,584.94	1/2	3,289.85	1/2	2,930.91	1/2	2,570.95	1/2	2,210.69	1/2	1,962.00	1/2	1,626.99	1/2	2,215.72	1/2	2,193.74	1/2	2,172.74
3/4	3/4		4,319.11	3/4	4,145.42	3/4	3,963.59	3/4	3,774.64	3/4	3,580.90	3/4	3,282.40	3/4	2,923.42	3/4	2,563.44	3/4	2,203.19	3/4	1,959.00	3/4	1,624.99	3/4	2,210.72	3/4	2,191.72	3/4	2,170.74
7	7		4,315.60	7	4,141.71	7	3,959.73	7	3,770.63	7	3,576.86	7	3,274.94	7	2,915.93	7	2,553.94	7	2,195.68	7	1,956.00	7	1,622.99	7	2,208.24	7	2,189.24	7	2,167.74
1/4	1/4		4,312.09	1/4	4,138.01	1/4	3,955.86	1/4	3,766.62	1/4	3,572.82	1/4	3,267.64	1/4	2,908.44	1/4	2,548.43	1/4	2,188.17	1/4	1,953.00	1/4	1,620.99	1/4	2,205.72	1/4	2,185.74	1/4	2,165.74
1/2	1/2		4,308.56	1/2	4,134.28	1/2	3,951.99	1/2	3,762.60	1/2	3,568.78	1/2	3,260.03	1/2	2,903.99	1/2	2,543.42	1/2	2,183.17	1/2	1,950.00	1/2	1,618.99	1/2	2,202.72	1/2	2,182.74	1/2	2,163.74
3/4	3/4		4,305.03	3/4	4,130.56	3/4	3,948.11	3/4	3,758.58	3/4	3,564.74	3/4	3,252.57	3/4	2,893.46	3/4	2,533.42	3/4	2,173.16	3/4	1,947.00	3/4	1,616.99	3/4	2,199.24	3/4	2,180.74	3/4	2,160.74
8	8		4,301.51	8	4,126.83	8	3,944.24	8	3,754.56	8	3,560.70	8	3,245.11	8	2,885.97	8	2,525.92	8	2,165.66	8	1,944.00	8	1,614.99	8	2,196.74	8	2,177.74	8	2,157.74
1/4	1/4		4,297.98	1/4	4,123.10	1/4	3,940.37	1/4	3,750.53	1/4	3,556.66	1/4	3,237.66	1/4	2,878.47	1/4	2,518.41	1/4	2,158.15	1/4	1,941.00	1/4	1,612.99	1/4	2,193.74	1/4	2,174.74	1/4	2,154.74
1/2	1/2		4,294.44	1/2	4,119.36	1/2	3,936.48	1/2	3,746.50	1/2	3,552.62	1/2	3,230.20	1/2	2,870.98	1/2	2,515.61	1/2	2,155.65	1/2	1,938.00	1/2	1,610.99	1/2	2,190.72	1/2	2,171.72	1/2	2,152.74
3/4	3/4		4,290.89	3/4	4,115.63	3/4	3,932.59	3/4	3,742.47	3/4	3,548.58	3/4	3,222.74	3/4	2,863.49	3/4	2,513.40	3/4	2,153.64	3/4	1,935.00	3/4	1,608.99	3/4	2,187.72	3/4	2,168.72	3/4	2,149.74
9	9		4,287.35	9	4,111.89	9	3,928.70	9	3,738.43	9	3,544.54	9	3,215.29	9	2,856.00	9	2,495.90	9	2,135.64	9	1,932.00	9	1,606.99	9	2,184.72	9	2,165.74	9	2,147.74
1/4	1/4		4,283.81	1/4	4,108.15	1/4	3,924.82	1/4	3,734.40	1/4	3,540.50	1/4	3,207.83	1/4	2,848.51	1/4	2,488.89	1/4	2,128.13	1/4	1,929.00	1/4	1,604.99	1/4	2,181.72	1/4	2,162.72	1/4	2,145.74
1/2	1/2		4,280.22	1/2	4,104.39	1/2	3,920.92	1/2	3,730.36	1/2	3,536.46	1/2	3,200.37	1/2	2,841.02	1/2	2,480.89	1/2	2,120.63	1/2	1,926.00	1/2	1,602.99	1/2	2,178.72	1/2	2,159.72	1/2	2,143.74
3/4	3/4		4,276.63	3/4	4,100.64	3/4	3,917.02	3/4	3,726.32	3/4	3,532.42	3/4	3,192.91	3/4	2,833.53	3/4	2,473.88	3/4	2,113.12	3/4	1,923.00	3/4	1,600.99	3/4	2,175.72	3/4	2,157.72	3/4	2,141.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

**BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.**

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE

Gauge Point: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 527"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,045.57	0	1,685.23	0	1,324.89	0	964.86	0	604.60	0	244.27	0		0		0		0	
1/4	2,038.06	1/4	1,677.72	1/4	1,317.38	1/4	957.36	1/4	597.09	1/4	236.76	1/4		1/4		1/4		1/4	
1/2	2,030.56	1/2	1,670.22	1/2	1,309.88	1/2	949.86	1/2	589.58	1/2	229.26	1/2		1/2		1/2		1/2	
3/4	2,023.05	3/4	1,662.71	3/4	1,302.37	3/4	942.36	3/4	582.08	3/4	221.75	3/4		3/4		3/4		3/4	
1	2,015.54	1	1,655.20	1	1,294.86	1	934.87	1	574.57	1	214.24	1		1		1		1	
1/4	2,008.04	1/4	1,647.70	1/4	1,287.35	1/4	927.37	1/4	567.06	1/4	206.74	1/4		1/4		1/4		1/4	
1/2	2,000.53	1/2	1,640.19	1/2	1,279.85	1/2	919.87	1/2	559.56	1/2	199.23	1/2		1/2		1/2		1/2	
3/4	1,993.02	3/4	1,632.68	3/4	1,272.34	3/4	912.36	3/4	552.05	3/4	191.72	3/4		3/4		3/4		3/4	
2	1,985.51	2	1,625.17	2	1,264.83	2	904.86	2	544.54	2	184.22	2		2		2		2	
1/4	1,978.01	1/4	1,617.67	1/4	1,257.33	1/4	897.36	1/4	537.03	1/4	176.71	1/4		1/4		1/4		1/4	
1/2	1,970.50	1/2	1,610.16	1/2	1,249.82	1/2	889.85	1/2	529.53	1/2	169.20	1/2		1/2		1/2		1/2	
3/4	1,962.99	3/4	1,602.65	3/4	1,242.31	3/4	882.35	3/4	522.02	3/4	161.69	3/4		3/4		3/4		3/4	
3	1,955.49	3	1,595.15	3	1,234.81	3	874.84	3	514.51	3	154.19	3		3		3		3	
1/4	1,947.98	1/4	1,587.64	1/4	1,227.30	1/4	867.33	1/4	507.01	1/4	146.68	1/4		1/4		1/4		1/4	
1/2	1,940.47	1/2	1,580.13	1/2	1,219.80	1/2	859.83	1/2	499.50	1/2	139.17	1/2		1/2		1/2		1/2	
3/4	1,932.97	3/4	1,572.62	3/4	1,212.29	3/4	852.32	3/4	491.99	3/4	131.67	3/4		3/4		3/4		3/4	
4	1,925.46	4	1,565.12	4	1,204.79	4	844.81	4	484.49	4	124.16	4		4		4		4	
1/4	1,917.95	1/4	1,557.61	1/4	1,197.29	1/4	837.31	1/4	476.98	1/4	116.65	1/4		1/4		1/4		1/4	
1/2	1,910.44	1/2	1,550.10	1/2	1,189.79	1/2	829.80	1/2	469.47	1/2	109.23	1/2		1/2		1/2		1/2	
3/4	1,902.94	3/4	1,542.60	3/4	1,182.29	3/4	822.29	3/4	461.97	3/4	101.80	3/4		3/4		3/4		3/4	
5	1,895.43	5	1,535.09	5	1,174.79	5	814.79	5	454.46	5	94.37	5		5		5		5	
1/4	1,887.92	1/4	1,527.58	1/4	1,167.30	1/4	807.28	1/4	446.95	1/4	86.94	1/4		1/4		1/4		1/4	
1/2	1,880.42	1/2	1,520.07	1/2	1,159.80	1/2	799.77	1/2	439.45	1/2	80.21	1/2		1/2		1/2		1/2	
3/4	1,872.91	3/4	1,512.57	3/4	1,152.30	3/4	792.27	3/4	431.94	3/4	73.49	3/4		3/4		3/4		3/4	
6	1,865.40	6	1,505.06	6	1,144.80	6	784.76	6	424.43	6	66.77	6		6		6		6	
1/4	1,857.89	1/4	1,497.55	1/4	1,137.31	1/4	777.25	1/4	416.93	1/4	60.04	1/4		1/4		1/4		1/4	
1/2	1,850.39	1/2	1,490.05	1/2	1,129.81	1/2	769.75	1/2	409.42	1/2	54.57	1/2		1/2		1/2		1/2	
3/4	1,842.88	3/4	1,482.54	3/4	1,122.31	3/4	762.24	3/4	401.91	3/4	49.09	3/4		3/4		3/4		3/4	
7	1,835.37	7	1,475.03	7	1,114.81	7	754.73	7	394.41	7	43.62	7		7		7		7	
1/4	1,827.87	1/4	1,467.52	1/4	1,107.31	1/4	747.23	1/4	386.90	1/4	38.15	1/4		1/4		1/4		1/4	
1/2	1,820.36	1/2	1,460.02	1/2	1,099.82	1/2	739.72	1/2	379.39	1/2	33.93	1/2		1/2		1/2		1/2	
3/4	1,812.85	3/4	1,452.51	3/4	1,092.32	3/4	732.21	3/4	371.89	3/4	29.71	3/4		3/4		3/4		3/4	
8	1,805.34	8	1,445.00	8	1,084.82	8	724.70	8	364.38	8	25.48	8		8		8		8	
1/4	1,797.84	1/4	1,437.50	1/4	1,077.32	1/4	717.20	1/4	356.87	1/4	21.26	1/4		1/4		1/4		1/4	
1/2	1,790.33	1/2	1,429.99	1/2	1,069.83	1/2	709.69	1/2	349.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,782.82	3/4	1,422.48	3/4	1,062.33	3/4	702.18	3/4	341.86	3/4		3/4		3/4		3/4		3/4	
9	1,775.32	9	1,414.98	9	1,054.83	9	694.68	9	334.35	9		9		9		9		9	
1/4	1,767.81	1/4	1,407.47	1/4	1,047.33	1/4	687.17	1/4	326.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.30	1/2	1,399.96	1/2	1,039.84	1/2	679.66	1/2	319.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,752.79	3/4	1,392.45	3/4	1,032.34	3/4	672.16	3/4	311.83	3/4		3/4		3/4		3/4		3/4	
10	1,745.29	10	1,384.95	10	1,024.84	10	664.65	10	304.32	10		10		10		10		10	
1/4	1,737.78	1/4	1,377.44	1/4	1,017.34	1/4	657.14	1/4	296.82	1/4		1/4		1/4		1/4		1/4	
1/2	1,730.27	1/2	1,369.93	1/2	1,009.84	1/2	649.64	1/2	289.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,722.77	3/4	1,362.43	3/4	1,002.35	3/4	642.13	3/4	281.80	3/4		3/4		3/4		3/4		3/4	
11	1,715.26	11	1,354.92	11	994.85	11	634.62	11	274.30	11		11		11		11		11	
1/4	1,707.75	1/4	1,347.41	1/4	987.35	1/4	627.12	1/4	266.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,700.24	1/2	1,339.90	1/2	979.85	1/2	619.61	1/2	259.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,692.74	3/4	1,332.40	3/4	972.36	3/4	612.10	3/4	251.78	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "EMS 52"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	4,374.90	1/4	4,373.26	1/4	4,214.91	1/4	4,037.98	1/4	3,853.56	1/4	3,662.27	1/4	3,453.58	1/4	3,095.71	1/4	2,736.76	1/4	2,377.05
1/2	4,371.62	1/2	4,371.62	1/2	4,207.69	1/2	4,030.43	1/2	3,849.63	1/2	3,658.25	1/2	3,446.12	1/2	3,088.23	1/2	2,729.27	1/2	2,369.56
3/4	4,369.98	3/4	4,204.07	3/4	4,026.66	3/4	4,026.66	3/4	3,841.79	3/4	3,650.20	3/4	3,431.20	3/4	3,073.27	3/4	2,714.28	3/4	2,354.57
1	4,368.35	1	4,200.46	1	4,022.88	1	4,022.88	1	3,837.87	1	3,646.17	1	3,423.74	1	3,065.79	1	2,706.79	1	2,347.07
1 1/4	4,365.49	1 1/4	4,196.84	1 1/4	4,019.10	1 1/4	4,019.10	1 1/4	3,833.93	1 1/4	3,642.14	1 1/4	3,416.27	1 1/4	3,058.32	1 1/4	2,699.30	1 1/4	2,339.58
1 1/2	4,362.63	1 1/2	4,193.21	1 1/2	4,015.31	1 1/2	4,015.31	1 1/2	3,830.00	1 1/2	3,638.12	1 1/2	3,408.81	1 1/2	3,050.85	1 1/2	2,691.81	1 1/2	2,332.08
3 1/4	4,359.77	3 1/4	4,189.59	3 1/4	4,011.52	3 1/4	4,011.52	3 1/4	3,826.06	3 1/4	3,634.09	3 1/4	3,401.35	3 1/4	3,043.37	3 1/4	2,684.31	3 1/4	2,324.59
2	4,356.91	2	4,185.96	2	4,007.74	2	4,007.74	2	3,822.13	2	3,630.07	2	3,393.89	2	3,035.90	2	2,676.82	2	2,317.09
1 1/4	4,353.14	1 1/4	4,182.33	1 1/4	4,003.94	1 1/4	4,003.94	1 1/4	3,818.18	1 1/4	3,626.04	1 1/4	3,386.43	1 1/4	3,028.43	1 1/4	2,669.33	1 1/4	2,309.60
1 1/2	4,349.36	1 1/2	4,178.69	1 1/2	4,000.14	1 1/2	4,000.14	1 1/2	3,814.23	1 1/2	3,622.02	1 1/2	3,378.97	1 1/2	3,020.95	1 1/2	2,661.83	1 1/2	2,302.10
3 1/4	4,345.59	3 1/4	4,175.05	3 1/4	3,996.34	3 1/4	3,996.34	3 1/4	3,810.29	3 1/4	3,617.99	3 1/4	3,371.50	3 1/4	3,013.48	3 1/4	2,654.34	3 1/4	2,294.61
3	4,341.82	3	4,171.42	3	3,992.54	3	3,992.54	3	3,806.34	3	3,613.97	3	3,364.04	3	3,006.01	3	2,646.85	3	2,287.11
1 1/4	4,338.35	1 1/4	4,167.77	1 1/4	3,988.73	1 1/4	3,988.73	1 1/4	3,802.38	1 1/4	3,609.94	1 1/4	3,356.58	1 1/4	2,998.54	1 1/4	2,639.35	1 1/4	2,279.62
1 1/2	4,334.89	1 1/2	4,164.12	1 1/2	3,984.92	1 1/2	3,984.92	1 1/2	3,798.42	1 1/2	3,605.91	1 1/2	3,348.12	1 1/2	2,991.06	1 1/2	2,631.86	1 1/2	2,272.13
3 1/4	4,331.43	3 1/4	4,160.47	3 1/4	3,981.11	3 1/4	3,981.11	3 1/4	3,794.46	3 1/4	3,601.89	3 1/4	3,341.66	3 1/4	2,983.59	3 1/4	2,624.37	3 1/4	2,264.63
4	4,327.97	4	4,156.82	4	3,977.30	4	3,977.30	4	3,790.50	4	3,597.86	4	3,334.20	4	2,976.12	4	2,616.87	4	2,257.14
1 1/4	4,324.49	1 1/4	4,153.16	1 1/4	3,973.47	1 1/4	3,973.47	1 1/4	3,786.53	1 1/4	3,593.84	1 1/4	3,326.74	1 1/4	2,968.64	1 1/4	2,609.38	1 1/4	2,249.64
1 1/2	4,321.02	1 1/2	4,149.50	1 1/2	3,969.65	1 1/2	3,969.65	1 1/2	3,782.56	1 1/2	3,589.81	1 1/2	3,319.28	1 1/2	2,961.17	1 1/2	2,601.89	1 1/2	2,242.15
3 1/4	4,317.54	3 1/4	4,145.84	3 1/4	3,965.82	3 1/4	3,965.82	3 1/4	3,778.59	3 1/4	3,585.79	3 1/4	3,311.82	3 1/4	2,953.70	3 1/4	2,594.39	3 1/4	2,234.65
5	4,314.07	5	4,142.18	5	3,962.00	5	3,962.00	5	3,774.62	5	3,581.76	5	3,304.36	5	2,946.23	5	2,586.90	5	2,227.16
1 1/4	4,310.58	1 1/4	4,138.50	1 1/4	3,958.16	1 1/4	3,958.16	1 1/4	3,770.63	1 1/4	3,577.74	1 1/4	3,296.91	1 1/4	2,938.75	1 1/4	2,579.40	1 1/4	2,219.66
1 1/2	4,307.09	1 1/2	4,134.83	1 1/2	3,954.33	1 1/2	3,954.33	1 1/2	3,766.65	1 1/2	3,573.71	1 1/2	3,289.46	1 1/2	2,931.28	1 1/2	2,571.91	1 1/2	2,212.17
3 1/4	4,303.60	3 1/4	4,131.16	3 1/4	3,950.49	3 1/4	3,950.49	3 1/4	3,762.66	3 1/4	3,569.69	3 1/4	3,282.57	3 1/4	2,923.81	3 1/4	2,564.41	3 1/4	2,204.67
6	4,300.12	6	4,127.48	6	3,946.66	6	3,946.66	6	3,758.68	6	3,565.66	6	3,274.02	6	2,916.33	6	2,556.92	6	2,197.71
1 1/4	4,296.62	1 1/4	4,123.79	1 1/4	3,942.81	1 1/4	3,942.81	1 1/4	3,754.68	1 1/4	3,561.63	1 1/4	3,267.13	1 1/4	2,908.86	1 1/4	2,549.43	1 1/4	2,189.68
1 1/2	4,293.12	1 1/2	4,120.11	1 1/2	3,938.96	1 1/2	3,938.96	1 1/2	3,750.69	1 1/2	3,557.61	1 1/2	3,263.68	1 1/2	2,901.39	1 1/2	2,541.93	1 1/2	2,182.19
3 1/4	4,289.62	3 1/4	4,116.42	3 1/4	3,935.11	3 1/4	3,935.11	3 1/4	3,746.69	3 1/4	3,553.58	3 1/4	3,252.23	3 1/4	2,893.91	3 1/4	2,534.44	3 1/4	2,174.70
7	4,286.12	7	4,112.73	7	3,931.26	7	3,931.26	7	3,742.70	7	3,549.56	7	3,244.79	7	2,886.44	7	2,526.94	7	2,167.20
1 1/4	4,282.61	1 1/4	4,109.02	1 1/4	3,927.40	1 1/4	3,927.40	1 1/4	3,738.69	1 1/4	3,545.53	1 1/4	3,237.34	1 1/4	2,878.96	1 1/4	2,519.45	1 1/4	2,159.71
1 1/2	4,279.10	1 1/2	4,105.31	1 1/2	3,923.54	1 1/2	3,923.54	1 1/2	3,734.68	1 1/2	3,541.51	1 1/2	3,229.90	1 1/2	2,871.48	1 1/2	2,511.95	1 1/2	2,152.21
3 1/4	4,275.58	3 1/4	4,101.39	3 1/4	3,919.68	3 1/4	3,919.68	3 1/4	3,730.67	3 1/4	3,537.48	3 1/4	3,222.45	3 1/4	2,864.00	3 1/4	2,504.46	3 1/4	2,144.72
8	4,272.07	8	4,097.88	8	3,915.82	8	3,915.82	8	3,726.66	8	3,533.46	8	3,215.00	8	2,856.52	8	2,496.96	8	2,137.22
1 1/4	4,268.54	1 1/4	4,094.16	1 1/4	3,911.95	1 1/4	3,911.95	1 1/4	3,722.64	1 1/4	3,529.43	1 1/4	3,207.56	1 1/4	2,849.04	1 1/4	2,489.47	1 1/4	2,129.73
1 1/2	4,265.01	1 1/2	4,090.43	1 1/2	3,908.07	1 1/2	3,908.07	1 1/2	3,718.62	1 1/2	3,525.40	1 1/2	3,200.11	1 1/2	2,841.56	1 1/2	2,481.97	1 1/2	2,122.23
3 1/4	4,261.49	3 1/4	4,086.71	3 1/4	3,904.20	3 1/4	3,904.20	3 1/4	3,714.60	3 1/4	3,521.38	3 1/4	3,192.66	3 1/4	2,834.08	3 1/4	2,474.48	3 1/4	2,114.74
9	4,257.96	9	4,082.98	9	3,900.33	9	3,900.33	9	3,710.58	9	3,517.35	9	3,185.22	9	2,826.60	9	2,466.98	9	2,107.24
1 1/4	4,254.38	1 1/4	4,079.24	1 1/4	3,896.44	1 1/4	3,896.44	1 1/4	3,706.55	1 1/4	3,513.33	1 1/4	3,177.77	1 1/4	2,819.11	1 1/4	2,459.49	1 1/4	2,099.75
1 1/2	4,250.81	1 1/2	4,075.51	1 1/2	3,892.56	1 1/2	3,892.56	1 1/2	3,702.53	1 1/2	3,509.30	1 1/2	3,170.33	1 1/2	2,811.63	1 1/2	2,452.00	1 1/2	2,092.25
3 1/4	4,247.23	3 1/4	4,071.77	3 1/4	3,888.67	3 1/4	3,888.67	3 1/4	3,698.50	3 1/4	3,505.28	3 1/4	3,162.88	3 1/4	2,804.15	3 1/4	2,444.50	3 1/4	2,084.76
10	4,243.66	10	4,068.03	10	3,884.79	10	3,884.79	10	3,694.48	10	3,501.25	10	3,155.43	10	2,796.67	10	2,437.01	10	2,077.27
1 1/4	4,240.07	1 1/4	4,064.28	1 1/4	3,880.89	1 1/4	3,880.89	1 1/4	3,690.45	1 1/4	3,496.80	1 1/4	3,147.98	1 1/4	2,789.19	1 1/4	2,429.51	1 1/4	2,069.77
1 1/2	4,236.48	1 1/2	4,060.53	1 1/2	3,876.99	1 1/2	3,876.99	1 1/2	3,686.42	1 1/2	3,492.34	1 1/2	3,140.53	1 1/2	2,781.71	1 1/2	2,422.02	1 1/2	2,062.28
3 1/4	4,232.89	3 1/4	4,056.78	3 1/4	3,873.09	3 1/4	3,873.09	3 1/4	3,682.40	3 1/4	3,487.89	3 1/4	3,133.08	3 1/4	2,774.23	3 1/4	2,414.52	3 1/4	2,054.78
11	4,229.31	11	4,053.03	11	3,869.20	11	3,869.20	11	3,678.37	11	3,483.43	11	3,123.63	11	2,766.74	11	2,407.03	11	2,047.29
1 1/4	4,225.71	1 1/4	4,049.27	1 1/4	3,865.29	1 1/4	3,865.29	1 1/4	3,674.35	1 1/4	3,475.97	1 1/4	3,118.15	1 1/4	2,759.25	1 1/4	2,399.53	1 1/4	2,039.79
1 1/2	4,222.11	1 1/2	4,045.51	1 1/2	3,861.38	1 1/2	3,861.38	1 1/2	3,670.32	1 1/2	3,468.51	1 1/2	3,110.67	1 1/2	2,751.75	1 1/2	2,392.04	1 1/2	2,032.30
3 1/4	4,218.51	3 1/4	4,041.74	3 1/4	3,857.47	3 1/4	3,857.47	3 1/4	3,666.30	3 1/4	3,461.04	3 1/4	3,103.19	3 1/4	2,744.26	3 1/4	2,384.54	3 1/4	2,024.80

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.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmaacorp.net>



BARGE "EMS 527"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS																	GAUGE HEIGHT 15'-0"											
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	2,017.31	0	1,657.48	0	1,299.17	0	950.22	0	596.46	0	236.53	0																
1/4	2,009.81	1/4	1,649.98	1/4	1,291.73	1/4	943.06	1/4	588.96	1/4	229.03	1/4																
1/2	2,002.31	1/2	1,642.49	1/2	1,284.30	1/2	935.90	1/2	581.46	1/2	221.53	1/2																
3/4	1,994.82	3/4	1,634.99	3/4	1,276.86	3/4	928.74	3/4	573.96	3/4	214.04	3/4																
1	1,987.32	1	1,627.49	1	1,269.43	1	921.58	1	566.47	1	206.54	1																
1/4	1,979.82	1/4	1,620.00	1/4	1,262.00	1/4	914.42	1/4	558.97	1/4	199.04	1/4																
1/2	1,972.33	1/2	1,612.50	1/2	1,254.56	1/2	907.25	1/2	551.47	1/2	191.54	1/2																
3/4	1,964.83	3/4	1,605.00	3/4	1,247.13	3/4	900.08	3/4	543.97	3/4	184.04	3/4																
2	1,957.34	2	1,597.51	2	1,239.70	2	892.92	2	536.47	2	176.54	2																
1/4	1,949.84	1/4	1,590.01	1/4	1,232.28	1/4	885.73	1/4	528.97	1/4	169.04	1/4																
1/2	1,942.34	1/2	1,582.52	1/2	1,224.86	1/2	878.54	1/2	521.47	1/2	161.54	1/2																
3/4	1,934.85	3/4	1,575.02	3/4	1,217.45	3/4	871.36	3/4	513.98	3/4	154.05	3/4																
3	1,927.35	3	1,567.52	3	1,210.03	3	864.17	3	506.48	3	146.55	3																
1/4	1,919.85	1/4	1,560.03	1/4	1,202.61	1/4	856.98	1/4	498.98	1/4	139.04	1/4																
1/2	1,912.36	1/2	1,552.53	1/2	1,195.19	1/2	849.79	1/2	491.48	1/2	131.54	1/2																
3/4	1,904.86	3/4	1,545.03	3/4	1,187.77	3/4	842.60	3/4	483.98	3/4	124.04	3/4																
4	1,897.36	4	1,537.54	4	1,180.35	4	835.41	4	476.48	4	116.53	4																
1/4	1,889.87	1/4	1,530.04	1/4	1,172.94	1/4	828.16	1/4	468.98	1/4	109.11	1/4																
1/2	1,882.37	1/2	1,522.54	1/2	1,165.53	1/2	820.92	1/2	461.49	1/2	101.69	1/2																
3/4	1,874.87	3/4	1,515.05	3/4	1,158.12	3/4	813.67	3/4	453.99	3/4	94.27	3/4																
5	1,867.38	5	1,507.55	5	1,150.72	5	806.42	5	446.49	5	86.85	5																
1/4	1,859.88	1/4	1,500.06	1/4	1,143.55	1/4	798.92	1/4	438.99	1/4	80.15	1/4																
1/2	1,852.39	1/2	1,492.57	1/2	1,136.39	1/2	791.42	1/2	431.49	1/2	73.44	1/2																
3/4	1,844.89	3/4	1,485.09	3/4	1,129.23	3/4	783.92	3/4	423.99	3/4	66.73	3/4																
6	1,837.39	6	1,477.60	6	1,122.07	6	776.42	6	416.50	6	60.03	6																
1/4	1,829.90	1/4	1,470.16	1/4	1,114.91	1/4	768.92	1/4	409.00	1/4	54.56	1/4																
1/2	1,822.40	1/2	1,462.73	1/2	1,107.75	1/2	761.43	1/2	401.50	1/2	49.09	1/2																
3/4	1,814.90	3/4	1,455.29	3/4	1,100.59	3/4	753.93	3/4	394.00	3/4	43.63	3/4																
7	1,807.41	7	1,447.86	7	1,093.43	7	746.43	7	386.50	7	38.16	7																
1/4	1,799.91	1/4	1,440.42	1/4	1,086.27	1/4	738.93	1/4	379.00	1/4	33.94	1/4																
1/2	1,792.41	1/2	1,432.99	1/2	1,079.11	1/2	731.43	1/2	371.50	1/2	29.72	1/2																
3/4	1,784.92	3/4	1,425.56	3/4	1,071.95	3/4	723.93	3/4	364.01	3/4	25.49	3/4																
8	1,777.42	8	1,418.12	8	1,064.79	8	716.44	8	356.51	8	21.27	8																
1/4	1,769.93	1/4	1,410.69	1/4	1,057.63	1/4	708.94	1/4	349.01	1/4		1/4																
1/2	1,762.43	1/2	1,403.25	1/2	1,050.47	1/2	701.44	1/2	341.51	1/2		1/2																
3/4	1,754.93	3/4	1,395.82	3/4	1,043.31	3/4	693.94	3/4	334.01	3/4		3/4																
9	1,747.44	9	1,388.38	9	1,036.15	9	686.44	9	326.51	9		9																
1/4	1,739.94	1/4	1,380.95	1/4	1,028.99	1/4	678.94	1/4	319.01	1/4		1/4																
1/2	1,732.44	1/2	1,373.51	1/2	1,021.83	1/2	671.44	1/2	311.52	1/2		1/2																
3/4	1,724.95	3/4	1,366.08	3/4	1,014.67	3/4	663.95	3/4	304.02	3/4		3/4																
10	1,717.45	10	1,358.64	10	1,007.51	10	656.45	10	296.52	10		10																
1/4	1,709.95	1/4	1,351.21	1/4	1,000.35	1/4	648.95	1/4	289.02	1/4		1/4																
1/2	1,702.46	1/2	1,343.77	1/2	993.19	1/2	641.45	1/2	281.52	1/2		1/2																
3/4	1,694.96	3/4	1,336.34	3/4	986.03	3/4	633.95	3/4	274.02	3/4		3/4																
11	1,687.46	11	1,328.91	11	978.87	11	626.45	11	266.53	11		11																
1/4	1,679.97	1/4	1,321.47	1/4	971.71	1/4	618.95	1/4	259.03	1/4		1/4																
1/2	1,672.47	1/2	1,314.04	1/2	964.54	1/2	611.46	1/2	251.53	1/2		1/2																
3/4	1,664.98	3/4	1,306.60	3/4	957.38	3/4	603.96	3/4	244.03	3/4		3/4																

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/22/2020 JS
CALCULATED: 12/22/2020 CL
PRINTED: 12/23/2020 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT
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