



BARGE "EMS 528"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

February 3, 2023

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 528"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0	4,291.35	0	3,985.34	0	3,662.70	0	3,332.83	0	3,002.96	0	2,673.07	0	2,343.19	0	2,013.32		
1/4	1/4	1/4	1/4	1/4	4,285.13	1/4	3,978.76	1/4	3,655.83	1/4	3,325.96	1/4	2,996.08	1/4	2,666.20	1/4	2,336.32	1/4	2,006.45		
1/2	1/2	1/2	1/2	1/2	4,278.91	1/2	3,972.19	1/2	3,648.96	1/2	3,319.09	1/2	2,989.21	1/2	2,659.33	1/2	2,329.45	1/2	1,999.57		
3/4	3/4	3/4	3/4	3/4	4,272.69	3/4	3,965.62	3/4	3,642.09	3/4	3,312.21	3/4	2,982.34	3/4	2,652.46	3/4	2,322.58	3/4	1,992.70		
1	1	1	1	1	4,564.87	1	4,266.45	1	3,959.02	1	3,635.22	1	3,305.34	1	2,975.47	1	2,645.58	1	2,315.70	1	1,985.82
1/4	1/4	1/4	1/4	1/4	4,560.10	1/4	4,260.20	1/4	3,952.42	1/4	3,628.34	1/4	3,298.47	1/4	2,968.59	1/4	2,638.71	1/4	2,308.83	1/4	1,978.94
1/2	1/2	1/2	1/2	1/2	4,555.33	1/2	4,253.96	1/2	3,945.83	1/2	3,621.47	1/2	3,291.60	1/2	2,961.72	1/2	2,631.84	1/2	2,301.96	1/2	1,972.07
3/4	3/4	3/4	3/4	3/4	4,550.56	3/4	4,247.71	3/4	3,939.23	3/4	3,614.60	3/4	3,284.72	3/4	2,954.85	3/4	2,624.97	3/4	2,295.09	3/4	1,965.19
2	2	2	2	2	4,544.50	2	4,241.44	2	3,932.60	2	3,607.73	2	3,277.85	2	2,947.98	2	2,618.09	2	2,288.21	2	1,958.32
1/4	1/4	1/4	1/4	1/4	4,538.44	1/4	4,235.17	1/4	3,925.98	1/4	3,600.85	1/4	3,270.98	1/4	2,941.10	1/4	2,611.22	1/4	2,281.34	1/4	1,951.44
1/2	1/2	1/2	1/2	1/2	4,532.38	1/2	4,228.90	1/2	3,919.35	1/2	3,593.98	1/2	3,264.11	1/2	2,934.23	1/2	2,604.35	1/2	2,274.47	1/2	1,944.57
3/4	3/4	3/4	3/4	3/4	4,526.32	3/4	4,222.62	3/4	3,912.73	3/4	3,587.11	3/4	3,257.23	3/4	2,927.36	3/4	2,597.48	3/4	2,267.60	3/4	1,937.69
3	3	3	3	3	4,519.57	3	4,216.33	3	3,906.08	3	3,580.24	3	3,250.36	3	2,920.48	3	2,590.60	3	2,260.72	3	1,930.82
1/4	1/4	1/4	1/4	1/4	4,512.83	1/4	4,210.03	1/4	3,899.43	1/4	3,573.36	1/4	3,243.49	1/4	2,913.61	1/4	2,583.73	1/4	2,253.85	1/4	1,923.94
1/2	1/2	1/2	1/2	1/2	4,506.08	1/2	4,203.73	1/2	3,892.78	1/2	3,566.49	1/2	3,236.62	1/2	2,906.74	1/2	2,576.86	1/2	2,246.98	1/2	1,917.07
3/4	3/4	3/4	3/4	3/4	4,499.33	3/4	4,197.43	3/4	3,886.13	3/4	3,559.62	3/4	3,229.74	3/4	2,899.87	3/4	2,569.99	3/4	2,240.11	3/4	1,910.19
4	4	4	4	4	4,492.50	4	4,191.11	4	3,879.45	4	3,552.75	4	3,222.87	4	2,892.99	4	2,563.11	4	2,233.23	4	1,903.32
1/4	1/4	1/4	1/4	1/4	4,485.67	1/4	4,184.79	1/4	3,872.77	1/4	3,545.88	1/4	3,216.00	1/4	2,886.12	1/4	2,556.24	1/4	2,226.36	1/4	1,896.44
1/2	1/2	1/2	1/2	1/2	4,478.83	1/2	4,178.46	1/2	3,866.10	1/2	3,539.00	1/2	3,209.13	1/2	2,879.25	1/2	2,549.37	1/2	2,219.49	1/2	1,889.57
3/4	3/4	3/4	3/4	3/4	4,472.00	3/4	4,172.14	3/4	3,859.42	3/4	3,532.13	3/4	3,202.26	3/4	2,872.38	3/4	2,542.50	3/4	2,212.62	3/4	1,882.69
5	5	5	5	5	4,465.36	5	4,165.79	5	3,852.72	5	3,525.26	5	3,195.38	5	2,865.50	5	2,535.62	5	2,205.74	5	1,875.82
1/4	1/4	1/4	1/4	1/4	4,458.72	1/4	4,159.44	1/4	3,846.02	1/4	3,518.39	1/4	3,188.51	1/4	2,858.63	1/4	2,528.75	1/4	2,198.87	1/4	1,868.94
1/2	1/2	1/2	1/2	1/2	4,452.08	1/2	4,153.09	1/2	3,839.31	1/2	3,511.51	1/2	3,181.64	1/2	2,851.76	1/2	2,521.88	1/2	2,192.00	1/2	1,862.07
3/4	3/4	3/4	3/4	3/4	4,445.44	3/4	4,146.74	3/4	3,832.61	3/4	3,504.64	3/4	3,174.77	3/4	2,844.89	3/4	2,515.01	3/4	2,185.13	3/4	1,855.19
6	6	6	6	6	4,439.18	6	4,140.36	6	3,825.88	6	3,497.77	6	3,167.89	6	2,838.01	6	2,508.13	6	2,178.25	6	1,848.32
1/4	1/4	1/4	1/4	1/4	4,432.92	1/4	4,133.99	1/4	3,819.15	1/4	3,490.90	1/4	3,161.02	1/4	2,831.14	1/4	2,501.26	1/4	2,171.38	1/4	1,841.44
1/2	1/2	1/2	1/2	1/2	4,426.65	1/2	4,127.61	1/2	3,812.42	1/2	3,484.02	1/2	3,154.15	1/2	2,824.27	1/2	2,494.39	1/2	2,164.51	1/2	1,834.57
3/4	3/4	3/4	3/4	3/4	4,420.39	3/4	4,121.23	3/4	3,805.69	3/4	3,477.15	3/4	3,147.28	3/4	2,817.40	3/4	2,487.52	3/4	2,157.64	3/4	1,827.69
7	7	7	7	7	4,414.30	7	4,114.83	7	3,798.94	7	3,470.28	7	3,140.40	7	2,810.52	7	2,480.64	7	2,150.76	7	1,820.82
1/4	1/4	1/4	1/4	1/4	4,408.21	1/4	4,108.43	1/4	3,792.18	1/4	3,463.41	1/4	3,133.53	1/4	2,803.65	1/4	2,473.77	1/4	2,143.89	1/4	1,813.94
1/2	1/2	1/2	1/2	1/2	4,402.13	1/2	4,102.03	1/2	3,785.43	1/2	3,456.53	1/2	3,126.66	1/2	2,796.78	1/2	2,466.90	1/2	2,137.02	1/2	1,807.06
3/4	3/4	3/4	3/4	3/4	4,396.04	3/4	4,095.63	3/4	3,778.67	3/4	3,449.66	3/4	3,119.79	3/4	2,789.91	3/4	2,460.03	3/4	2,130.15	3/4	1,800.19
8	8	8	8	8	4,389.92	8	4,089.20	8	3,771.89	8	3,442.79	8	3,112.91	8	2,783.03	8	2,453.15	8	2,123.27	8	1,793.31
1/4	1/4	1/4	1/4	1/4	4,383.81	1/4	4,082.77	1/4	3,765.11	1/4	3,435.92	1/4	3,106.04	1/4	2,776.16	1/4	2,446.28	1/4	2,116.40	1/4	1,786.44
1/2	1/2	1/2	1/2	1/2	4,377.69	1/2	4,076.34	1/2	3,758.33	1/2	3,429.04	1/2	3,099.17	1/2	2,769.29	1/2	2,439.41	1/2	2,109.53	1/2	1,779.56
3/4	3/4	3/4	3/4	3/4	4,371.58	3/4	4,069.91	3/4	3,751.55	3/4	3,422.17	3/4	3,092.30	3/4	2,762.42	3/4	2,432.54	3/4	2,102.66	3/4	1,772.69
9	9	9	9	9	4,365.44	9	4,063.46	9	3,744.74	9	3,415.30	9	3,085.42	9	2,755.54	9	2,425.66	9	2,095.78	9	1,765.81
1/4	1/4	1/4	1/4	1/4	4,359.29	1/4	4,057.00	1/4	3,737.94	1/4	3,408.43	1/4	3,078.55	1/4	2,748.67	1/4	2,418.79	1/4	2,088.91	1/4	1,758.94
1/2	1/2	1/2	1/2	1/2	4,353.15	1/2	4,050.55	1/2	3,731.13	1/2	3,401.55	1/2	3,071.68	1/2	2,741.80	1/2	2,411.92	1/2	2,082.04	1/2	1,752.06
3/4	3/4	3/4	3/4	3/4	4,347.01	3/4	4,044.09	3/4	3,724.32	3/4	3,394.68	3/4	3,064.81	3/4	2,734.93	3/4	2,405.05	3/4	2,075.17	3/4	1,745.19
10	10	10	10	10	4,340.85	10	4,037.59	10	3,717.49	10	3,387.81	10	3,057.93	10	2,728.05	10	2,398.17	10	2,068.29	10	1,738.31
1/4	1/4	1/4	1/4	1/4	4,334.68	1/4	4,031.09	1/4	3,710.65	1/4	3,380.94	1/4	3,051.06	1/4	2,721.18	1/4	2,391.30	1/4	2,061.42	1/4	1,731.44
1/2	1/2	1/2	1/2	1/2	4,328.51	1/2	4,024.59	1/2	3,703.82	1/2	3,374.07	1/2	3,044.19	1/2	2,714.31	1/2	2,384.43	1/2	2,054.55	1/2	1,724.56
3/4	3/4	3/4	3/4	3/4	4,322.34	3/4	4,018.09	3/4	3,696.99	3/4	3,367.19	3/4	3,037.32	3/4	2,707.44	3/4	2,377.56	3/4	2,047.68	3/4	1,717.69
11	11	11	11	11	4,316.15	11	4,011.55	11	3,690.13	11	3,360.32	11	3,030.45	11	2,700.56	11	2,370.68	11	2,040.81	11	1,710.81
1/4	1/4	1/4	1/4	1/4	4,309.96	1/4	4,005.00	1/4	3,683.28	1/4	3,353.45	1/4	3,023.57	1/4	2,693.69	1/4	2,363.81	1/4	2,033.94	1/4	1,703.94
1/2	1/2	1/2	1/2	1/2	4,303.76	1/2	3,998.46	1/2	3,676.42	1/2	3,346.58	1/2	3,016.70	1/2	2,686.82	1/2	2,356.94	1/2	2,027.07	1/2	1,697.06
3/4	3/4	3/4	3/4	3/4	4,297.57	3/4	3,991.91	3/4	3,669.56	3/4	3,339.70	3/4	3,009.83	3/4	2,679.95	3/4	2,350.07	3/4	2,020.20	3/4	1,690.19

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'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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BARGE "EMS 528"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	1,683.31	0	1,353.30	0	1,023.47	0	707.14	0	414.13	0	143.02	0		0		0		0	
1/4	1,676.44	1/4	1,346.43	1/4	1,016.65	1/4	700.81	1/4	408.25	1/4	137.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,669.56	1/2	1,339.55	1/2	1,009.84	1/2	694.48	1/2	402.38	1/2	132.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,662.69	3/4	1,332.68	3/4	1,003.02	3/4	688.15	3/4	396.50	3/4	126.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,655.81	1	1,325.80	1	996.24	1	681.86	1	390.67	1	121.44	1	1	1	1	1	1	1	1
1/4	1,648.94	1/4	1,318.93	1/4	989.47	1/4	675.58	1/4	384.83	1/4	116.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,642.06	1/2	1,312.05	1/2	982.69	1/2	669.30	1/2	379.00	1/2	110.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,635.18	3/4	1,305.18	3/4	975.91	3/4	663.01	3/4	373.16	3/4	105.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,628.31	2	1,298.30	2	969.17	2	656.77	2	367.37	2	100.02	2	2	2	2	2	2	2	2
1/4	1,621.43	1/4	1,291.42	1/4	962.44	1/4	650.52	1/4	361.57	1/4	94.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,614.56	1/2	1,284.55	1/2	955.70	1/2	644.28	1/2	355.77	1/2	89.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,607.68	3/4	1,277.67	3/4	948.96	3/4	638.03	3/4	349.98	3/4	84.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,600.81	3	1,270.80	3	942.26	3	631.82	3	344.22	3	78.76	3	3	3	3	3	3	3	3
1/4	1,593.93	1/4	1,263.92	1/4	935.56	1/4	625.62	1/4	338.47	1/4	73.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,587.06	1/2	1,257.05	1/2	928.87	1/2	619.41	1/2	332.71	1/2	68.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,580.18	3/4	1,250.17	3/4	922.17	3/4	613.21	3/4	326.96	3/4	62.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,573.31	4	1,243.30	4	915.51	4	607.04	4	321.24	4	57.65	4	4	4	4	4	4	4	4
1/4	1,566.43	1/4	1,236.42	1/4	908.85	1/4	600.87	1/4	315.53	1/4	52.40	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,559.56	1/2	1,229.55	1/2	902.19	1/2	594.71	1/2	309.82	1/2	47.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,552.68	3/4	1,222.67	3/4	895.53	3/4	588.54	3/4	304.10	3/4	41.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,545.81	5	1,215.80	5	888.91	5	582.41	5	298.43	5	37.27	5	5	5	5	5	5	5	5
1/4	1,538.93	1/4	1,208.92	1/4	882.29	1/4	576.29	1/4	292.75	1/4	32.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,532.06	1/2	1,202.05	1/2	875.67	1/2	570.16	1/2	287.08	1/2	28.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,525.18	3/4	1,195.17	3/4	869.05	3/4	564.03	3/4	281.41	3/4	23.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,518.31	6	1,188.30	6	862.47	6	557.95	6	275.77	6	20.06	6	6	6	6	6	6	6	6
1/4	1,511.43	1/4	1,181.42	1/4	855.89	1/4	551.86	1/4	270.13	1/4	16.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,504.56	1/2	1,174.55	1/2	849.31	1/2	545.78	1/2	264.49	1/2	13.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,497.68	3/4	1,167.67	3/4	842.73	3/4	539.69	3/4	258.85	3/4	10.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,490.81	7	1,160.80	7	836.18	7	533.64	7	253.25	7		7	7	7	7	7	7	7	7
1/4	1,483.93	1/4	1,153.92	1/4	829.64	1/4	527.60	1/4	247.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,477.06	1/2	1,147.05	1/2	823.10	1/2	521.55	1/2	242.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,470.18	3/4	1,140.17	3/4	816.56	3/4	515.50	3/4	236.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,463.30	8	1,133.30	8	810.06	8	509.48	8	230.89	8		8	8	8	8	8	8	8	8
1/4	1,456.43	1/4	1,126.42	1/4	803.55	1/4	503.46	1/4	225.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,449.55	1/2	1,119.54	1/2	797.05	1/2	497.45	1/2	219.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,442.68	3/4	1,112.67	3/4	790.55	3/4	491.43	3/4	214.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,435.80	9	1,105.79	9	784.09	9	485.44	9	208.69	9		9	9	9	9	9	9	9	9
1/4	1,428.93	1/4	1,098.92	1/4	777.62	1/4	479.45	1/4	203.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,422.05	1/2	1,092.04	1/2	771.16	1/2	473.46	1/2	197.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,415.18	3/4	1,085.17	3/4	764.70	3/4	467.47	3/4	192.12	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,408.30	10	1,078.30	10	758.27	10	461.52	10	186.64	10		10	10	10	10	10	10	10	10
1/4	1,401.43	1/4	1,071.43	1/4	751.85	1/4	455.57	1/4	181.16	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,394.55	1/2	1,064.56	1/2	745.42	1/2	449.61	1/2	175.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,387.68	3/4	1,057.69	3/4	739.00	3/4	443.66	3/4	170.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,380.80	11	1,050.84	11	732.62	11	437.75	11	164.75	11		11	11	11	11	11	11	11	11
1/4	1,373.93	1/4	1,043.99	1/4	726.24	1/4	431.83	1/4	159.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,367.05	1/2	1,037.14	1/2	719.86	1/2	425.92	1/2	153.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,360.18	3/4	1,030.29	3/4	713.47	3/4	420.00	3/4	148.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/02/2023 JS
CALCULATED: 02/02/2023 CL
PRINTED: 02/03/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2023



BARGE "EMS 528"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

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	IN	0
			4,588.50		4,290.27		3,981.86		3,656.92		3,325.60		2,994.28		2,662.95		2,331.63		2,000.28		
1/4	1/4	1/4	4,583.71	1/4	4,283.99	1/4	3,975.24	1/4	3,650.02	1/4	3,318.70	1/4	2,987.38	1/4	2,656.05	1/4	2,324.72	1/4	1,993.38		
1/2	1/2	1/2	4,578.92	1/2	4,277.72	1/2	3,968.61	1/2	3,643.11	1/2	3,311.79	1/2	2,980.47	1/2	2,649.15	1/2	2,317.82	1/2	1,986.47		
3/4	3/4	3/4	4,574.12	3/4	4,271.45	3/4	3,961.98	3/4	3,636.21	3/4	3,304.89	3/4	2,973.57	3/4	2,642.24	3/4	2,310.92	3/4	1,979.57		
1	1	1	4,569.33	1	4,265.18	1	3,955.36	1	3,629.31	1	3,279.99	1	2,966.67	1	2,635.34	1	2,304.02	1	1,972.66		
1/4	1/4	1/4	4,563.25	1/4	4,258.88	1/4	3,948.70	1/4	3,622.41	1/4	3,291.09	1/4	2,959.77	1/4	2,628.44	1/4	2,297.11	1/4	1,965.76		
1/2	1/2	1/2	4,557.16	1/2	4,252.58	1/2	3,942.05	1/2	3,615.50	1/2	3,284.18	1/2	2,952.86	1/2	2,621.54	1/2	2,290.21	1/2	1,958.85		
3/4	3/4	3/4	4,551.08	3/4	4,246.28	3/4	3,935.40	3/4	3,608.60	3/4	3,277.28	3/4	2,945.96	3/4	2,614.63	3/4	2,283.31	3/4	1,951.95		
2	2	2	4,544.99	2	4,239.98	2	3,928.74	2	3,601.70	2	3,270.38	2	2,939.05	2	2,607.73	2	2,276.41	2	1,945.04		
1/4	1/4	1/4	4,538.22	1/4	4,233.66	1/4	3,922.06	1/4	3,594.80	1/4	3,263.48	1/4	2,932.15	1/4	2,600.83	1/4	2,269.50	1/4	1,938.14		
1/2	1/2	1/2	4,531.44	1/2	4,227.33	1/2	3,915.38	1/2	3,587.89	1/2	3,256.57	1/2	2,925.25	1/2	2,593.92	1/2	2,262.60	1/2	1,931.23		
3/4	3/4	3/4	4,524.66	3/4	4,221.01	3/4	3,908.70	3/4	3,580.99	3/4	3,249.67	3/4	2,918.35	3/4	2,587.02	3/4	2,255.70	3/4	1,924.33		
3	3	3	4,517.89	3	4,214.68	3	3,902.03	3	3,574.09	3	3,242.77	3	2,911.44	3	2,580.12	3	2,248.79	3	1,917.42		
1/4	1/4	1/4	4,511.02	1/4	4,208.33	1/4	3,895.32	1/4	3,567.19	1/4	3,235.87	1/4	2,904.54	1/4	2,573.22	1/4	2,241.89	1/4	1,910.52		
1/2	1/2	1/2	4,504.16	1/2	4,201.98	1/2	3,888.61	1/2	3,560.28	1/2	3,228.96	1/2	2,897.64	1/2	2,566.31	1/2	2,234.99	1/2	1,903.61		
3/4	3/4	3/4	4,497.30	3/4	4,195.63	3/4	3,881.91	3/4	3,553.38	3/4	3,222.06	3/4	2,890.74	3/4	2,559.41	3/4	2,228.09	3/4	1,896.71		
4	4	4	4,490.44	4	4,189.28	4	3,875.20	4	3,546.48	4	3,215.16	4	2,883.83	4	2,552.51	4	2,221.18	4	1,889.80		
1/4	1/4	1/4	4,483.77	1/4	4,182.90	1/4	3,868.47	1/4	3,539.58	1/4	3,208.26	1/4	2,876.93	1/4	2,545.61	1/4	2,214.28	1/4	1,882.89		
1/2	1/2	1/2	4,477.10	1/2	4,176.52	1/2	3,861.74	1/2	3,532.67	1/2	3,201.35	1/2	2,870.03	1/2	2,538.70	1/2	2,207.38	1/2	1,875.99		
3/4	3/4	3/4	4,470.43	3/4	4,170.15	3/4	3,855.01	3/4	3,525.77	3/4	3,194.45	3/4	2,863.13	3/4	2,531.80	3/4	2,200.48	3/4	1,869.08		
5	5	5	4,463.76	5	4,163.77	5	3,848.27	5	3,518.87	5	3,187.55	5	2,856.22	5	2,524.90	5	2,193.57	5	1,862.18		
1/4	1/4	1/4	4,457.47	1/4	4,157.36	1/4	3,841.52	1/4	3,511.97	1/4	3,180.65	1/4	2,849.32	1/4	2,518.00	1/4	2,186.67	1/4	1,855.27		
1/2	1/2	1/2	4,451.18	1/2	4,150.96	1/2	3,834.76	1/2	3,505.06	1/2	3,173.74	1/2	2,842.42	1/2	2,511.09	1/2	2,179.77	1/2	1,848.37		
3/4	3/4	3/4	4,444.89	3/4	4,144.56	3/4	3,828.00	3/4	3,498.16	3/4	3,166.84	3/4	2,835.52	3/4	2,504.19	3/4	2,172.87	3/4	1,841.46		
6	6	6	4,438.60	6	4,138.15	6	3,821.24	6	3,491.26	6	3,159.94	6	2,828.61	6	2,497.29	6	2,165.96	6	1,834.56		
1/4	1/4	1/4	4,432.49	1/4	4,131.72	1/4	3,814.46	1/4	3,484.36	1/4	3,153.04	1/4	2,821.71	1/4	2,490.39	1/4	2,159.06	1/4	1,827.65		
1/2	1/2	1/2	4,426.37	1/2	4,125.29	1/2	3,807.67	1/2	3,477.45	1/2	3,146.13	1/2	2,814.81	1/2	2,483.48	1/2	2,152.16	1/2	1,820.75		
3/4	3/4	3/4	4,420.26	3/4	4,118.86	3/4	3,800.89	3/4	3,470.55	3/4	3,139.23	3/4	2,807.91	3/4	2,476.58	3/4	2,145.26	3/4	1,813.84		
7	7	7	4,414.14	7	4,112.43	7	3,794.10	7	3,463.65	7	3,132.33	7	2,801.00	7	2,469.68	7	2,138.35	7	1,806.94		
1/4	1/4	1/4	4,408.00	1/4	4,105.98	1/4	3,787.29	1/4	3,456.75	1/4	3,125.43	1/4	2,794.10	1/4	2,462.78	1/4	2,131.45	1/4	1,800.03		
1/2	1/2	1/2	4,401.86	1/2	4,099.52	1/2	3,780.48	1/2	3,449.84	1/2	3,118.52	1/2	2,787.20	1/2	2,455.87	1/2	2,124.55	1/2	1,793.13		
3/4	3/4	3/4	4,395.72	3/4	4,093.07	3/4	3,773.67	3/4	3,442.94	3/4	3,111.62	3/4	2,780.30	3/4	2,448.97	3/4	2,117.65	3/4	1,786.22		
8	8	8	4,389.58	8	4,086.61	8	3,766.86	8	3,436.04	8	3,104.72	8	2,773.39	8	2,442.07	8	2,110.74	8	1,779.32		
1/4	1/4	1/4	4,383.41	1/4	4,080.13	1/4	3,760.02	1/4	3,429.14	1/4	3,097.82	1/4	2,766.49	1/4	2,435.17	1/4	2,103.84	1/4	1,772.41		
1/2	1/2	1/2	4,377.24	1/2	4,073.65	1/2	3,753.19	1/2	3,422.23	1/2	3,090.91	1/2	2,759.59	1/2	2,428.26	1/2	2,096.94	1/2	1,765.51		
3/4	3/4	3/4	4,371.08	3/4	4,067.16	3/4	3,746.35	3/4	3,415.33	3/4	3,084.01	3/4	2,752.68	3/4	2,421.36	3/4	2,090.04	3/4	1,758.60		
9	9	9	4,364.91	9	4,060.68	9	3,739.51	9	3,408.43	9	3,077.11	9	2,745.78	9	2,414.46	9	2,083.13	9	1,751.70		
1/4	1/4	1/4	4,358.71	1/4	4,054.15	1/4	3,732.65	1/4	3,401.53	1/4	3,070.21	1/4	2,738.88	1/4	2,407.55	1/4	2,076.23	1/4	1,744.79		
1/2	1/2	1/2	4,352.52	1/2	4,047.62	1/2	3,725.79	1/2	3,394.62	1/2	3,063.30	1/2	2,731.98	1/2	2,400.65	1/2	2,069.33	1/2	1,737.89		
3/4	3/4	3/4	4,346.33	3/4	4,041.10	3/4	3,718.92	3/4	3,387.72	3/4	3,056.40	3/4	2,725.07	3/4	2,393.75	3/4	2,062.43	3/4	1,730.98		
10	10	10	4,340.13	10	4,034.57	10	3,712.06	10	3,380.82	10	3,049.50	10	2,718.17	10	2,386.85	10	2,055.52	10	1,724.08		
1/4	1/4	1/4	4,333.91	1/4	4,027.99	1/4	3,705.17	1/4	3,373.92	1/4	3,042.60	1/4	2,711.27	1/4	2,379.94	1/4	2,048.62	1/4	1,717.17		
1/2	1/2	1/2	4,327.69	1/2	4,021.42	1/2	3,698.29	1/2	3,367.01	1/2	3,035.69	1/2	2,704.37	1/2	2,373.04	1/2	2,041.71	1/2	1,710.26		
3/4	3/4	3/4	4,321.47	3/4	4,014.84	3/4	3,691.40	3/4	3,360.11	3/4	3,028.79	3/4	2,697.46	3/4	2,366.14	3/4	2,034.81	3/4	1,703.36		
11	11	11	4,315.25	11	4,008.27	11	3,684.52	11	3,353.21	11	3,021.89	11	2,690.56	11	2,359.24	11	2,027.90	11	1,696.45		
1/4	1/4	1/4	4,309.01	1/4	4,001.67	1/4	3,677.62	1/4	3,346.31	1/4	3,014.99	1/4	2,683.66	1/4	2,352.33	1/4	2,021.00	1/4	1,689.55		
1/2	1/2	1/2	4,302.76	1/2	3,995.07	1/2	3,670.72	1/2	3,339.40	1/2	3,008.08	1/2	2,676.76	1/2	2,345.43	1/2	2,014.09	1/2	1,682.64		
3/4	3/4	3/4	4,296.51	3/4	3,988.47	3/4	3,663.82	3/4	3,332.50	3/4	3,001.18	3/4	2,669.85	3/4	2,338.53	3/4	2,007.19	3/4	1,675.74		

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'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EMS 528"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

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	1,668.83	0	1,337.38	0	1,006.33	0	691.07	0	398.18	0	127.33	0		0		0		0	
1/4	1,661.93	1/4	1,330.48	1/4	999.55	1/4	684.76	1/4	392.32	1/4	121.95	1/4		1/4		1/4		1/4	
1/2	1,655.02	1/2	1,323.57	1/2	992.76	1/2	678.45	1/2	386.46	1/2	116.56	1/2		1/2		1/2		1/2	
3/4	1,648.12	3/4	1,316.67	3/4	985.98	3/4	672.14	3/4	380.60	3/4	111.17	3/4		3/4		3/4		3/4	
1	1,641.21	1	1,309.76	1	979.19	1	665.83	1	374.74	1	105.79	1		1		1		1	
1/4	1,634.31	1/4	1,302.86	1/4	972.45	1/4	659.56	1/4	368.91	1/4	100.44	1/4		1/4		1/4		1/4	
1/2	1,627.40	1/2	1,295.95	1/2	965.70	1/2	653.28	1/2	363.09	1/2	95.09	1/2		1/2		1/2		1/2	
3/4	1,620.50	3/4	1,289.05	3/4	958.95	3/4	647.01	3/4	357.27	3/4	89.74	3/4		3/4		3/4		3/4	
2	1,613.59	2	1,282.14	2	952.21	2	640.74	2	351.45	2	84.39	2		2		2		2	
1/4	1,606.69	1/4	1,275.24	1/4	945.50	1/4	634.51	1/4	345.67	1/4	79.08	1/4		1/4		1/4		1/4	
1/2	1,599.78	1/2	1,268.33	1/2	938.79	1/2	628.27	1/2	339.89	1/2	73.78	1/2		1/2		1/2		1/2	
3/4	1,592.88	3/4	1,261.43	3/4	932.09	3/4	622.04	3/4	334.11	3/4	68.47	3/4		3/4		3/4		3/4	
3	1,585.97	3	1,254.52	3	925.38	3	615.81	3	328.33	3	63.16	3		3		3		3	
1/4	1,579.07	1/4	1,247.62	1/4	918.71	1/4	609.61	1/4	322.59	1/4	57.89	1/4		1/4		1/4		1/4	
1/2	1,572.16	1/2	1,240.71	1/2	912.05	1/2	603.42	1/2	316.86	1/2	52.62	1/2		1/2		1/2		1/2	
3/4	1,565.26	3/4	1,233.81	3/4	905.38	3/4	597.23	3/4	311.12	3/4	47.35	3/4		3/4		3/4		3/4	
4	1,558.35	4	1,226.90	4	898.71	4	591.03	4	305.38	4	42.08	4		4		4		4	
1/4	1,551.45	1/4	1,220.00	1/4	892.09	1/4	584.88	1/4	299.68	1/4	37.43	1/4		1/4		1/4		1/4	
1/2	1,544.54	1/2	1,213.09	1/2	885.46	1/2	578.73	1/2	293.98	1/2	32.77	1/2		1/2		1/2		1/2	
3/4	1,537.64	3/4	1,206.19	3/4	878.83	3/4	572.58	3/4	288.29	3/4	28.12	3/4		3/4		3/4		3/4	
5	1,530.73	5	1,199.28	5	872.20	5	566.42	5	282.59	5	23.47	5		5		5		5	
1/4	1,523.82	1/4	1,192.38	1/4	865.62	1/4	560.31	1/4	276.93	1/4	20.14	1/4		1/4		1/4		1/4	
1/2	1,516.92	1/2	1,185.47	1/2	859.03	1/2	554.20	1/2	271.26	1/2	16.81	1/2		1/2		1/2		1/2	
3/4	1,510.01	3/4	1,178.56	3/4	852.44	3/4	548.09	3/4	265.60	3/4	13.49	3/4		3/4		3/4		3/4	
6	1,503.11	6	1,171.66	6	845.85	6	541.98	6	259.94	6	10.16	6		6		6		6	
1/4	1,496.20	1/4	1,164.75	1/4	839.30	1/4	535.90	1/4	254.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,489.30	1/2	1,157.85	1/2	832.75	1/2	529.83	1/2	248.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,482.39	3/4	1,150.94	3/4	826.20	3/4	523.75	3/4	243.07	3/4		3/4		3/4		3/4		3/4	
7	1,475.49	7	1,144.04	7	819.66	7	517.68	7	237.45	7		7		7		7		7	
1/4	1,468.58	1/4	1,137.13	1/4	813.15	1/4	511.64	1/4	231.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,461.68	1/2	1,130.23	1/2	806.64	1/2	505.59	1/2	226.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,454.77	3/4	1,123.32	3/4	800.13	3/4	499.55	3/4	220.69	3/4		3/4		3/4		3/4		3/4	
8	1,447.87	8	1,116.42	8	793.62	8	493.51	8	215.11	8		8		8		8		8	
1/4	1,440.96	1/4	1,109.51	1/4	787.15	1/4	487.49	1/4	209.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,434.06	1/2	1,102.61	1/2	780.68	1/2	481.48	1/2	204.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,427.15	3/4	1,095.70	3/4	774.21	3/4	475.46	3/4	198.47	3/4		3/4		3/4		3/4		3/4	
9	1,420.25	9	1,088.80	9	767.74	9	469.45	9	192.93	9		9		9		9		9	
1/4	1,413.34	1/4	1,081.90	1/4	761.31	1/4	463.47	1/4	187.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,406.44	1/2	1,075.00	1/2	754.88	1/2	457.49	1/2	181.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,399.53	3/4	1,068.10	3/4	748.45	3/4	451.51	3/4	176.41	3/4		3/4		3/4		3/4		3/4	
10	1,392.63	10	1,061.20	10	742.02	10	445.53	10	170.91	10		10		10		10		10	
1/4	1,385.72	1/4	1,054.32	1/4	735.63	1/4	439.59	1/4	165.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,378.82	1/2	1,047.43	1/2	729.24	1/2	433.66	1/2	159.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,371.91	3/4	1,040.55	3/4	722.85	3/4	427.72	3/4	154.51	3/4		3/4		3/4		3/4		3/4	
11	1,365.01	11	1,033.67	11	716.47	11	421.78	11	149.04	11		11		11		11		11	
1/4	1,358.10	1/4	1,026.84	1/4	710.12	1/4	415.88	1/4	143.61	1/4		1/4		1/4		1/4		1/4	
1/2	1,351.19	1/2	1,020.00	1/2	703.77	1/2	409.98	1/2	138.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,344.29	3/4	1,013.17	3/4	697.42	3/4	404.08	3/4	132.76	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/02/2023 JS
CALCULATED: 02/02/2023 CL
PRINTED: 02/03/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2023



BARGE "EMS 528"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

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	IN	0
	0		5,556.75		5,207.31		4,845.95		4,465.19		4,076.96		3,688.74		3,300.50		2,912.27		2,524.01		
1/4	1/4	1/4	5,551.14	1/4	5,199.96	1/4	4,838.18	1/4	4,457.10	1/4	4,068.87	1/4	3,680.65	1/4	3,292.41	1/4	2,904.18	1/4	2,515.92		
1/2	1/2	1/2	5,545.53	1/2	5,192.61	1/2	4,830.42	1/2	4,449.01	1/2	4,060.79	1/2	3,672.56	1/2	3,284.33	1/2	2,896.10	1/2	2,507.82		
3/4	3/4	3/4	5,539.91	3/4	5,185.26	3/4	4,822.65	3/4	4,440.92	3/4	4,052.70	3/4	3,664.47	3/4	3,276.24	3/4	2,888.01	3/4	2,499.73		
1	1	1	5,534.30	1	5,177.91	1	4,814.89	1	4,432.83	1	4,044.61	1	3,656.39	1	3,268.15	1	2,879.92	1	2,491.64		
1/4	1/4	1/4	5,527.17	1/4	5,170.53	1/4	4,807.09	1/4	4,424.75	1/4	4,036.52	1/4	3,648.30	1/4	3,260.06	1/4	2,871.83	1/4	2,483.55		
1/2	1/2	1/2	5,520.04	1/2	5,163.15	1/2	4,799.30	1/2	4,416.66	1/2	4,028.43	1/2	3,640.21	1/2	3,251.97	1/2	2,863.74	1/2	2,475.46		
3/4	3/4	3/4	5,512.90	3/4	5,155.77	3/4	4,791.50	3/4	4,408.57	3/4	4,020.35	3/4	3,632.12	3/4	3,243.88	3/4	2,855.66	3/4	2,467.37		
2	2	2	5,505.77	2	5,148.39	2	4,783.70	2	4,400.48	2	4,012.26	2	3,624.03	2	3,235.80	2	2,847.57	2	2,459.28		
1/4	1/4	1/4	5,497.83	1/4	5,140.98	1/4	4,775.88	1/4	4,392.39	1/4	4,004.17	1/4	3,615.94	1/4	3,227.71	1/4	2,839.48	1/4	2,451.19		
1/2	1/2	1/2	5,489.89	1/2	5,133.57	1/2	4,768.05	1/2	4,384.31	1/2	3,996.08	1/2	3,607.85	1/2	3,219.62	1/2	2,831.39	1/2	2,443.09		
3/4	3/4	3/4	5,481.95	3/4	5,126.16	3/4	4,760.22	3/4	4,376.22	3/4	3,987.99	3/4	3,599.76	3/4	3,211.53	3/4	2,823.30	3/4	2,435.00		
3	3	3	5,474.01	3	5,118.75	3	4,752.40	3	4,368.13	3	3,979.91	3	3,591.67	3	3,203.44	3	2,815.22	3	2,426.91		
1/4	1/4	1/4	5,465.97	1/4	5,111.30	1/4	4,744.54	1/4	4,360.04	1/4	3,971.82	1/4	3,583.58	1/4	3,195.36	1/4	2,807.13	1/4	2,418.82		
1/2	1/2	1/2	5,457.93	1/2	5,103.86	1/2	4,736.68	1/2	4,351.95	1/2	3,963.73	1/2	3,575.50	1/2	3,187.27	1/2	2,799.04	1/2	2,410.73		
3/4	3/4	3/4	5,449.89	3/4	5,096.42	3/4	4,728.82	3/4	4,343.87	3/4	3,955.64	3/4	3,567.41	3/4	3,179.18	3/4	2,790.95	3/4	2,402.64		
4	4	4	5,441.85	4	5,088.98	4	4,720.97	4	4,335.78	4	3,947.55	4	3,559.32	4	3,171.09	4	2,782.86	4	2,394.55		
1/4	1/4	1/4	5,434.03	1/4	5,081.51	1/4	4,713.08	1/4	4,327.69	1/4	3,939.47	1/4	3,551.23	1/4	3,163.00	1/4	2,774.77	1/4	2,386.46		
1/2	1/2	1/2	5,426.22	1/2	5,074.04	1/2	4,705.19	1/2	4,319.60	1/2	3,931.38	1/2	3,543.14	1/2	3,154.92	1/2	2,766.69	1/2	2,378.37		
3/4	3/4	3/4	5,418.40	3/4	5,066.56	3/4	4,697.30	3/4	4,311.51	3/4	3,923.29	3/4	3,535.06	3/4	3,146.83	3/4	2,758.60	3/4	2,370.27		
5	5	5	5,410.59	5	5,059.09	5	4,689.41	5	4,303.43	5	3,915.20	5	3,526.97	5	3,138.74	5	2,750.51	5	2,362.18		
1/4	1/4	1/4	5,403.22	1/4	5,051.59	1/4	4,681.49	1/4	4,295.34	1/4	3,907.11	1/4	3,518.88	1/4	3,130.65	1/4	2,742.42	1/4	2,354.09		
1/2	1/2	1/2	5,395.85	1/2	5,044.08	1/2	4,673.57	1/2	4,287.25	1/2	3,899.03	1/2	3,510.79	1/2	3,122.56	1/2	2,734.33	1/2	2,346.00		
3/4	3/4	3/4	5,388.48	3/4	5,036.58	3/4	4,665.66	3/4	4,279.16	3/4	3,890.94	3/4	3,502.70	3/4	3,114.48	3/4	2,726.25	3/4	2,337.91		
6	6	6	5,381.12	6	5,029.08	6	4,657.74	6	4,271.07	6	3,882.85	6	3,494.62	6	3,106.39	6	2,718.16	6	2,329.82		
1/4	1/4	1/4	5,373.95	1/4	5,021.54	1/4	4,649.79	1/4	4,262.99	1/4	3,874.76	1/4	3,486.53	1/4	3,098.30	1/4	2,710.07	1/4	2,321.73		
1/2	1/2	1/2	5,366.79	1/2	5,014.01	1/2	4,641.84	1/2	4,254.90	1/2	3,866.67	1/2	3,478.44	1/2	3,090.21	1/2	2,701.98	1/2	2,313.64		
3/4	3/4	3/4	5,359.62	3/4	5,006.48	3/4	4,633.89	3/4	4,246.81	3/4	3,858.59	3/4	3,470.35	3/4	3,082.12	3/4	2,693.89	3/4	2,305.54		
7	7	7	5,352.45	7	4,998.94	7	4,625.94	7	4,238.72	7	3,850.50	7	3,462.26	7	3,074.03	7	2,685.81	7	2,297.45		
1/4	1/4	1/4	5,345.26	1/4	4,991.38	1/4	4,617.96	1/4	4,230.63	1/4	3,842.41	1/4	3,454.18	1/4	3,065.95	1/4	2,677.72	1/4	2,289.36		
1/2	1/2	1/2	5,338.06	1/2	4,983.81	1/2	4,609.98	1/2	4,222.55	1/2	3,834.32	1/2	3,446.09	1/2	3,057.86	1/2	2,669.63	1/2	2,281.27		
3/4	3/4	3/4	5,330.87	3/4	4,976.25	3/4	4,602.00	3/4	4,214.46	3/4	3,826.23	3/4	3,438.00	3/4	3,049.77	3/4	2,661.54	3/4	2,273.18		
8	8	8	5,323.67	8	4,968.68	8	4,594.02	8	4,206.37	8	3,818.15	8	3,429.91	8	3,041.68	8	2,653.45	8	2,265.09		
1/4	1/4	1/4	5,316.45	1/4	4,961.09	1/4	4,586.00	1/4	4,198.28	1/4	3,810.06	1/4	3,421.82	1/4	3,033.59	1/4	2,645.37	1/4	2,257.00		
1/2	1/2	1/2	5,309.22	1/2	4,953.49	1/2	4,577.99	1/2	4,190.19	1/2	3,801.97	1/2	3,413.73	1/2	3,025.51	1/2	2,637.28	1/2	2,248.91		
3/4	3/4	3/4	5,301.99	3/4	4,945.90	3/4	4,569.98	3/4	4,182.11	3/4	3,793.88	3/4	3,405.65	3/4	3,017.42	3/4	2,629.19	3/4	2,240.81		
9	9	9	5,294.77	9	4,938.30	9	4,561.97	9	4,174.02	9	3,785.79	9	3,397.56	9	3,009.33	9	2,621.10	9	2,232.72		
1/4	1/4	1/4	5,287.51	1/4	4,930.65	1/4	4,553.93	1/4	4,165.93	1/4	3,777.71	1/4	3,389.47	1/4	3,001.24	1/4	2,613.01	1/4	2,224.63		
1/2	1/2	1/2	5,280.25	1/2	4,923.00	1/2	4,545.89	1/2	4,157.84	1/2	3,769.62	1/2	3,381.38	1/2	2,993.15	1/2	2,604.92	1/2	2,216.54		
3/4	3/4	3/4	5,272.99	3/4	4,915.35	3/4	4,537.84	3/4	4,149.75	3/4	3,761.53	3/4	3,373.29	3/4	2,985.07	3/4	2,596.84	3/4	2,208.45		
10	10	10	5,265.74	10	4,907.70	10	4,529.80	10	4,141.67	10	3,753.44	10	3,365.21	10	2,976.98	10	2,588.75	10	2,200.36		
1/4	1/4	1/4	5,258.45	1/4	4,900.00	1/4	4,521.73	1/4	4,133.58	1/4	3,745.35	1/4	3,357.12	1/4	2,968.89	1/4	2,580.65	1/4	2,192.27		
1/2	1/2	1/2	5,251.16	1/2	4,892.30	1/2	4,513.67	1/2	4,125.49	1/2	3,737.27	1/2	3,349.03	1/2	2,960.80	1/2	2,572.56	1/2	2,184.18		
3/4	3/4	3/4	5,243.87	3/4	4,884.59	3/4	4,505.60	3/4	4,117.40	3/4	3,729.18	3/4	3,340.94	3/4	2,952.71	3/4	2,564.47	3/4	2,176.09		
11	11	11	5,236.58	11	4,876.89	11	4,497.53	11	4,109.31	11	3,721.09	11	3,332.85	11	2,944.62	11	2,556.37	11	2,167.99		
1/4	1/4	1/4	5,229.27	1/4	4,869.15	1/4	4,489.44	1/4	4,101.23	1/4	3,713.00	1/4	3,324.77	1/4	2,936.54	1/4	2,548.28	1/4	2,159.90		
1/2	1/2	1/2	5,221.95	1/2	4,861.42	1/2	4,481.36	1/2	4,093.14	1/2	3,704.91	1/2	3,316.68	1/2	2,928.45	1/2	2,540.19	1/2	2,151.81		
3/4	3/4	3/4	5,214.63	3/4	4,853.68	3/4	4,473.27	3/4	4,085.05	3/4	3,696.83	3/4	3,308.59	3/4	2,920.36	3/4	2,532.10	3/4	2,143.72		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 528"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-06"

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	2,135.63	0	1,747.25	0	1,358.87	0	970.57	0	582.89	0	194.55	0		0		0		0	
1/4	2,127.54	1/4	1,739.16	1/4	1,350.78	1/4	962.50	1/4	574.80	1/4	186.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,119.45	1/2	1,731.07	1/2	1,342.69	1/2	954.43	1/2	566.71	1/2	178.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,111.36	3/4	1,722.98	3/4	1,334.60	3/4	946.36	3/4	558.62	3/4	170.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,103.26	1	1,714.89	1	1,326.51	1	938.29	1	550.52	1	162.19	1	1	1	1	1	1	1	1
1/4	2,095.17	1/4	1,706.80	1/4	1,318.42	1/4	930.22	1/4	542.43	1/4	154.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,087.08	1/2	1,698.70	1/2	1,310.33	1/2	922.15	1/2	534.34	1/2	146.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,078.99	3/4	1,690.61	3/4	1,302.24	3/4	914.08	3/4	526.25	3/4	137.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,070.90	2	1,682.52	2	1,294.14	2	906.01	2	518.16	2	129.83	2	2	2	2	2	2	2	2
1/4	2,062.81	1/4	1,674.43	1/4	1,286.05	1/4	897.94	1/4	510.07	1/4	121.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,054.72	1/2	1,666.34	1/2	1,277.96	1/2	889.87	1/2	501.98	1/2	113.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,046.63	3/4	1,658.25	3/4	1,269.87	3/4	881.80	3/4	493.89	3/4	105.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,038.53	3	1,650.16	3	1,261.78	3	873.73	3	485.80	3	97.46	3	3	3	3	3	3	3	3
1/4	2,030.44	1/4	1,642.07	1/4	1,253.69	1/4	865.66	1/4	477.71	1/4	89.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,022.35	1/2	1,633.97	1/2	1,245.60	1/2	857.59	1/2	469.63	1/2	81.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,014.26	3/4	1,625.88	3/4	1,237.51	3/4	849.53	3/4	461.54	3/4	73.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,006.17	4	1,617.79	4	1,229.41	4	841.46	4	453.45	4	65.10	4	4	4	4	4	4	4	4
1/4	1,998.08	1/4	1,609.70	1/4	1,221.32	1/4	833.39	1/4	445.37	1/4	57.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,989.99	1/2	1,601.61	1/2	1,213.23	1/2	825.32	1/2	437.28	1/2	50.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,981.90	3/4	1,593.52	3/4	1,205.14	3/4	817.25	3/4	429.19	3/4	42.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,973.81	5	1,585.43	5	1,197.05	5	809.18	5	421.11	5	35.43	5	5	5	5	5	5	5	5
1/4	1,965.71	1/4	1,577.34	1/4	1,188.96	1/4	801.12	1/4	413.02	1/4	30.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,957.62	1/2	1,569.25	1/2	1,180.87	1/2	793.05	1/2	404.92	1/2	24.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,949.53	3/4	1,561.15	3/4	1,172.78	3/4	784.98	3/4	396.83	3/4	19.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,941.44	6	1,553.06	6	1,164.69	6	776.92	6	388.74	6	13.85	6	6	6	6	6	6	6	6
1/4	1,933.35	1/4	1,544.97	1/4	1,156.59	1/4	768.85	1/4	380.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,925.26	1/2	1,536.88	1/2	1,148.50	1/2	760.78	1/2	372.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,917.17	3/4	1,528.79	3/4	1,140.41	3/4	752.71	3/4	364.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,909.08	7	1,520.70	7	1,132.32	7	744.64	7	356.38	7		7	7	7	7	7	7	7	7
1/4	1,900.98	1/4	1,512.61	1/4	1,124.23	1/4	736.57	1/4	348.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,892.89	1/2	1,504.52	1/2	1,116.14	1/2	728.49	1/2	340.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,884.80	3/4	1,496.42	3/4	1,108.05	3/4	720.41	3/4	332.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,876.71	8	1,488.33	8	1,099.96	8	712.34	8	324.01	8		8	8	8	8	8	8	8	8
1/4	1,868.62	1/4	1,480.24	1/4	1,091.86	1/4	704.25	1/4	315.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,860.53	1/2	1,472.15	1/2	1,083.77	1/2	696.16	1/2	307.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,852.44	3/4	1,464.06	3/4	1,075.68	3/4	688.07	3/4	299.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,844.35	9	1,455.97	9	1,067.59	9	679.98	9	291.65	9		9	9	9	9	9	9	9	9
1/4	1,836.25	1/4	1,447.88	1/4	1,059.50	1/4	671.89	1/4	283.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,828.16	1/2	1,439.79	1/2	1,051.41	1/2	663.80	1/2	275.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,820.07	3/4	1,431.69	3/4	1,043.32	3/4	655.71	3/4	267.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,811.98	10	1,423.60	10	1,035.23	10	647.62	10	259.28	10		10	10	10	10	10	10	10	10
1/4	1,803.89	1/4	1,415.51	1/4	1,027.14	1/4	639.53	1/4	251.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,795.80	1/2	1,407.42	1/2	1,019.05	1/2	631.44	1/2	243.10	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,787.71	3/4	1,399.33	3/4	1,010.96	3/4	623.34	3/4	235.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,779.62	11	1,391.24	11	1,002.87	11	615.25	11	226.92	11		11	11	11	11	11	11	11	11
1/4	1,771.53	1/4	1,383.15	1/4	994.80	1/4	607.16	1/4	218.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,763.43	1/2	1,375.06	1/2	986.72	1/2	599.07	1/2	210.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,755.34	3/4	1,366.97	3/4	978.64	3/4	590.98	3/4	202.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/02/2023 JS
CALCULATED: 02/02/2023 CL
PRINTED: 02/03/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2023



BARGE "EMS 528"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

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	IN	0
			5,516.91		5,168.34		4,807.89		4,428.09		4,040.86		3,653.63		3,266.39		2,879.16		2,491.89		
1/4	1/4	1/4	5,511.31	1/4	5,161.01	1/4	4,800.14	1/4	4,420.03	1/4	4,032.80	1/4	3,645.56	1/4	3,258.32	1/4	2,871.09	1/4	2,483.82		
1/2	1/2	1/2	5,505.71	1/2	5,153.68	1/2	4,792.40	1/2	4,411.96	1/2	4,024.73	1/2	3,637.50	1/2	3,250.26	1/2	2,863.02	1/2	2,475.75		
3/4	3/4	3/4	5,500.11	3/4	5,146.35	3/4	4,784.65	3/4	4,403.89	3/4	4,016.66	3/4	3,629.43	3/4	3,242.19	3/4	2,854.95	3/4	2,467.68		
1	1	1	5,494.51	1	5,139.02	1	4,776.90	1	4,395.82	1	4,008.59	1	3,621.36	1	3,234.12	1	2,846.89	1	2,459.61		
1/4	1/4	1/4	5,487.40	1/4	5,131.66	1/4	4,769.13	1/4	4,387.76	1/4	4,000.53	1/4	3,613.29	1/4	3,226.05	1/4	2,838.82	1/4	2,451.54		
1/2	1/2	1/2	5,480.29	1/2	5,124.30	1/2	4,761.35	1/2	4,379.69	1/2	3,992.46	1/2	3,605.22	1/2	3,217.99	1/2	2,830.75	1/2	2,443.47		
3/4	3/4	3/4	5,473.18	3/4	5,116.93	3/4	4,753.57	3/4	4,371.62	3/4	3,984.39	3/4	3,597.16	3/4	3,209.92	3/4	2,822.68	3/4	2,435.40		
2	2	2	5,466.06	2	5,109.57	2	4,745.80	2	4,363.55	2	3,976.32	2	3,589.09	2	3,201.85	2	2,814.62	2	2,427.33		
1/4	1/4	1/4	5,458.14	1/4	5,102.18	1/4	4,737.99	1/4	4,355.49	1/4	3,968.26	1/4	3,581.02	1/4	3,193.78	1/4	2,806.55	1/4	2,419.26		
1/2	1/2	1/2	5,450.22	1/2	5,094.79	1/2	4,730.18	1/2	4,347.42	1/2	3,960.19	1/2	3,572.95	1/2	3,185.72	1/2	2,798.48	1/2	2,411.19		
3/4	3/4	3/4	5,442.30	3/4	5,087.39	3/4	4,722.38	3/4	4,339.35	3/4	3,952.12	3/4	3,564.88	3/4	3,177.65	3/4	2,790.41	3/4	2,403.12		
3	3	3	5,434.39	3	5,080.00	3	4,714.57	3	4,331.29	3	3,944.06	3	3,556.82	3	3,169.58	3	2,782.35	3	2,395.04		
1/4	1/4	1/4	5,426.36	1/4	5,072.58	1/4	4,706.73	1/4	4,323.22	1/4	3,935.99	1/4	3,548.75	1/4	3,161.51	1/4	2,774.28	1/4	2,386.97		
1/2	1/2	1/2	5,418.34	1/2	5,065.16	1/2	4,698.89	1/2	4,315.15	1/2	3,927.92	1/2	3,540.68	1/2	3,153.45	1/2	2,766.21	1/2	2,378.90		
3/4	3/4	3/4	5,410.32	3/4	5,057.73	3/4	4,691.06	3/4	4,307.08	3/4	3,919.85	3/4	3,532.61	3/4	3,145.38	3/4	2,758.14	3/4	2,370.83		
4	4	4	5,402.30	4	5,050.31	4	4,683.22	4	4,299.02	4	3,911.79	4	3,524.55	4	3,137.31	4	2,750.08	4	2,362.76		
1/4	1/4	1/4	5,394.51	1/4	5,042.85	1/4	4,675.35	1/4	4,290.95	1/4	3,903.72	1/4	3,516.48	1/4	3,129.24	1/4	2,742.01	1/4	2,354.69		
1/2	1/2	1/2	5,386.71	1/2	5,035.40	1/2	4,667.48	1/2	4,282.88	1/2	3,895.65	1/2	3,508.41	1/2	3,121.18	1/2	2,733.94	1/2	2,346.62		
3/4	3/4	3/4	5,378.92	3/4	5,027.95	3/4	4,659.61	3/4	4,274.81	3/4	3,887.58	3/4	3,500.34	3/4	3,113.11	3/4	2,725.87	3/4	2,338.55		
5	5	5	5,371.13	5	5,020.49	5	4,651.75	5	4,266.75	5	3,879.52	5	3,492.28	5	3,105.04	5	2,717.81	5	2,330.48		
1/4	1/4	1/4	5,363.78	1/4	5,013.01	1/4	4,643.85	1/4	4,258.68	1/4	3,871.45	1/4	3,484.21	1/4	3,096.97	1/4	2,709.74	1/4	2,322.41		
1/2	1/2	1/2	5,356.43	1/2	5,005.52	1/2	4,635.95	1/2	4,250.61	1/2	3,863.38	1/2	3,476.14	1/2	3,088.91	1/2	2,701.67	1/2	2,314.34		
3/4	3/4	3/4	5,349.07	3/4	4,998.04	3/4	4,628.05	3/4	4,242.55	3/4	3,855.31	3/4	3,468.08	3/4	3,080.84	3/4	2,693.60	3/4	2,306.27		
6	6	6	5,341.72	6	4,990.56	6	4,620.15	6	4,234.48	6	3,847.25	6	3,460.01	6	3,072.77	6	2,685.54	6	2,298.20		
1/4	1/4	1/4	5,334.58	1/4	4,983.04	1/4	4,612.22	1/4	4,226.41	1/4	3,839.18	1/4	3,451.94	1/4	3,064.71	1/4	2,677.47	1/4	2,290.13		
1/2	1/2	1/2	5,327.43	1/2	4,975.53	1/2	4,604.29	1/2	4,218.34	1/2	3,831.11	1/2	3,443.87	1/2	3,056.64	1/2	2,669.40	1/2	2,282.06		
3/4	3/4	3/4	5,320.28	3/4	4,968.01	3/4	4,596.36	3/4	4,210.28	3/4	3,823.05	3/4	3,435.81	3/4	3,048.57	3/4	2,661.34	3/4	2,273.99		
7	7	7	5,313.13	7	4,960.50	7	4,588.43	7	4,202.21	7	3,814.98	7	3,427.74	7	3,040.50	7	2,653.27	7	2,265.92		
1/4	1/4	1/4	5,305.96	1/4	4,952.95	1/4	4,580.47	1/4	4,194.14	1/4	3,806.91	1/4	3,419.67	1/4	3,032.44	1/4	2,645.20	1/4	2,257.85		
1/2	1/2	1/2	5,298.78	1/2	4,945.40	1/2	4,572.51	1/2	4,186.07	1/2	3,798.84	1/2	3,411.60	1/2	3,024.37	1/2	2,637.13	1/2	2,249.78		
3/4	3/4	3/4	5,291.60	3/4	4,937.86	3/4	4,564.55	3/4	4,178.01	3/4	3,790.78	3/4	3,403.54	3/4	3,016.30	3/4	2,629.07	3/4	2,241.71		
8	8	8	5,284.42	8	4,930.31	8	4,556.59	8	4,169.94	8	3,782.71	8	3,395.47	8	3,008.23	8	2,621.00	8	2,233.63		
1/4	1/4	1/4	5,277.21	1/4	4,922.74	1/4	4,548.60	1/4	4,161.87	1/4	3,774.64	1/4	3,387.40	1/4	3,000.17	1/4	2,612.93	1/4	2,225.56		
1/2	1/2	1/2	5,270.00	1/2	4,915.16	1/2	4,540.61	1/2	4,153.80	1/2	3,766.57	1/2	3,379.33	1/2	2,992.10	1/2	2,604.86	1/2	2,217.49		
3/4	3/4	3/4	5,262.79	3/4	4,907.58	3/4	4,532.62	3/4	4,145.74	3/4	3,758.51	3/4	3,371.27	3/4	2,984.03	3/4	2,596.80	3/4	2,209.42		
9	9	9	5,255.59	9	4,900.01	9	4,524.63	9	4,137.67	9	3,750.44	9	3,363.20	9	2,975.96	9	2,588.73	9	2,201.35		
1/4	1/4	1/4	5,248.35	1/4	4,892.38	1/4	4,516.61	1/4	4,129.60	1/4	3,742.37	1/4	3,355.13	1/4	2,967.90	1/4	2,580.66	1/4	2,193.28		
1/2	1/2	1/2	5,241.11	1/2	4,884.75	1/2	4,508.59	1/2	4,121.54	1/2	3,734.31	1/2	3,347.06	1/2	2,959.83	1/2	2,572.59	1/2	2,185.21		
3/4	3/4	3/4	5,233.87	3/4	4,877.12	3/4	4,500.56	3/4	4,113.47	3/4	3,726.24	3/4	3,339.00	3/4	2,951.76	3/4	2,564.53	3/4	2,177.14		
10	10	10	5,226.63	10	4,869.49	10	4,492.54	10	4,105.40	10	3,718.17	10	3,330.93	10	2,943.69	10	2,556.46	10	2,169.07		
1/4	1/4	1/4	5,219.36	1/4	4,861.80	1/4	4,484.50	1/4	4,097.33	1/4	3,710.10	1/4	3,322.86	1/4	2,935.63	1/4	2,548.39	1/4	2,161.00		
1/2	1/2	1/2	5,212.09	1/2	4,854.12	1/2	4,476.45	1/2	4,089.27	1/2	3,702.04	1/2	3,314.79	1/2	2,927.56	1/2	2,540.32	1/2	2,152.93		
3/4	3/4	3/4	5,204.82	3/4	4,846.43	3/4	4,468.40	3/4	4,081.20	3/4	3,693.97	3/4	3,306.73	3/4	2,919.49	3/4	2,532.24	3/4	2,144.86		
11	11	11	5,197.55	11	4,838.75	11	4,460.35	11	4,073.13	11	3,685.90	11	3,298.66	11	2,911.42	11	2,524.17	11	2,136.79		
1/4	1/4	1/4	5,190.25	1/4	4,831.03	1/4	4,452.29	1/4	4,065.06	1/4	3,677.83	1/4	3,290.59	1/4	2,903.36	1/4	2,516.10	1/4	2,128.72		
1/2	1/2	1/2	5,182.95	1/2	4,823.32	1/2	4,444.22	1/2	4,057.00	1/2	3,669.77	1/2	3,282.53	1/2	2,895.29	1/2	2,508.03	1/2	2,120.65		
3/4	3/4	3/4	5,175.65	3/4	4,815.60	3/4	4,436.16	3/4	4,048.93	3/4	3,661.70	3/4	3,274.46	3/4	2,887.22	3/4	2,499.96	3/4	2,112.58		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 528"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

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	2,104.51	0	1,717.12	0	1,329.74	0	956.47	0	581.40	0	194.06	0		0		0		0	
1/4	2,096.44	1/4	1,709.05	1/4	1,321.82	1/4	948.73	1/4	573.33	1/4	185.99	1/4		1/4		1/4		1/4	
1/2	2,088.37	1/2	1,700.98	1/2	1,313.90	1/2	940.99	1/2	565.25	1/2	177.92	1/2		1/2		1/2		1/2	
3/4	2,080.30	3/4	1,692.91	3/4	1,305.98	3/4	933.24	3/4	557.18	3/4	169.85	3/4		3/4		3/4		3/4	
1	2,072.22	1	1,684.84	1	1,298.07	1	925.50	1	549.11	1	161.77	1		1		1		1	
1/4	2,064.15	1/4	1,676.77	1/4	1,290.30	1/4	917.76	1/4	541.04	1/4	153.70	1/4		1/4		1/4		1/4	
1/2	2,056.08	1/2	1,668.70	1/2	1,282.54	1/2	910.01	1/2	532.97	1/2	145.63	1/2		1/2		1/2		1/2	
3/4	2,048.01	3/4	1,660.63	3/4	1,274.77	3/4	902.27	3/4	524.90	3/4	137.56	3/4		3/4		3/4		3/4	
2	2,039.94	2	1,652.56	2	1,267.01	2	894.53	2	516.83	2	129.49	2		2		2		2	
1/4	2,031.87	1/4	1,644.49	1/4	1,259.24	1/4	886.78	1/4	508.76	1/4	121.42	1/4		1/4		1/4		1/4	
1/2	2,023.80	1/2	1,636.42	1/2	1,251.48	1/2	879.04	1/2	500.69	1/2	113.35	1/2		1/2		1/2		1/2	
3/4	2,015.73	3/4	1,628.35	3/4	1,243.71	3/4	871.30	3/4	492.62	3/4	105.28	3/4		3/4		3/4		3/4	
3	2,007.66	3	1,620.28	3	1,235.95	3	863.55	3	484.56	3	97.21	3		3		3		3	
1/4	1,999.59	1/4	1,612.21	1/4	1,228.18	1/4	855.81	1/4	476.49	1/4	89.14	1/4		1/4		1/4		1/4	
1/2	1,991.52	1/2	1,604.14	1/2	1,220.42	1/2	848.07	1/2	468.42	1/2	81.07	1/2		1/2		1/2		1/2	
3/4	1,983.45	3/4	1,596.07	3/4	1,212.65	3/4	840.32	3/4	460.36	3/4	73.00	3/4		3/4		3/4		3/4	
4	1,975.38	4	1,587.99	4	1,204.89	4	832.58	4	452.29	4	64.93	4		4		4		4	
1/4	1,967.31	1/4	1,579.92	1/4	1,197.12	1/4	824.84	1/4	444.23	1/4	57.53	1/4		1/4		1/4		1/4	
1/2	1,959.24	1/2	1,571.85	1/2	1,189.36	1/2	817.10	1/2	436.16	1/2	50.13	1/2		1/2		1/2		1/2	
3/4	1,951.17	3/4	1,563.78	3/4	1,181.59	3/4	809.35	3/4	428.09	3/4	42.73	3/4		3/4		3/4		3/4	
5	1,943.10	5	1,555.71	5	1,173.83	5	801.61	5	420.03	5	35.34	5		5		5		5	
1/4	1,935.03	1/4	1,547.64	1/4	1,166.06	1/4	793.87	1/4	411.96	1/4	29.96	1/4		1/4		1/4		1/4	
1/2	1,926.96	1/2	1,539.57	1/2	1,158.30	1/2	786.13	1/2	403.89	1/2	24.58	1/2		1/2		1/2		1/2	
3/4	1,918.89	3/4	1,531.50	3/4	1,150.53	3/4	778.39	3/4	395.82	3/4	19.20	3/4		3/4		3/4		3/4	
6	1,910.81	6	1,523.43	6	1,142.77	6	770.65	6	387.75	6	13.82	6		6		6		6	
1/4	1,902.74	1/4	1,515.36	1/4	1,135.00	1/4	762.91	1/4	379.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,894.67	1/2	1,507.29	1/2	1,127.23	1/2	755.17	1/2	371.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,886.60	3/4	1,499.22	3/4	1,119.47	3/4	747.42	3/4	363.54	3/4		3/4		3/4		3/4		3/4	
7	1,878.53	7	1,491.15	7	1,111.70	7	739.68	7	355.47	7		7		7		7		7	
1/4	1,870.46	1/4	1,483.08	1/4	1,103.94	1/4	731.93	1/4	347.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,862.39	1/2	1,475.01	1/2	1,096.17	1/2	724.18	1/2	339.33	1/2		1/2		1/2		1/2		1/2	
3/4	1,854.32	3/4	1,466.94	3/4	1,088.41	3/4	716.43	3/4	331.26	3/4		3/4		3/4		3/4		3/4	
8	1,846.25	8	1,458.87	8	1,080.64	8	708.68	8	323.18	8		8		8		8		8	
1/4	1,838.18	1/4	1,450.80	1/4	1,072.88	1/4	700.92	1/4	315.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,830.11	1/2	1,442.73	1/2	1,065.11	1/2	693.16	1/2	307.04	1/2		1/2		1/2		1/2		1/2	
3/4	1,822.04	3/4	1,434.66	3/4	1,057.35	3/4	685.39	3/4	298.97	3/4		3/4		3/4		3/4		3/4	
9	1,813.97	9	1,426.58	9	1,049.58	9	677.63	9	290.90	9		9		9		9		9	
1/4	1,805.90	1/4	1,418.51	1/4	1,041.82	1/4	669.71	1/4	282.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,797.83	1/2	1,410.44	1/2	1,034.05	1/2	661.80	1/2	274.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,789.76	3/4	1,402.37	3/4	1,026.29	3/4	653.88	3/4	266.69	3/4		3/4		3/4		3/4		3/4	
10	1,781.69	10	1,394.30	10	1,018.52	10	645.96	10	258.62	10		10		10		10		10	
1/4	1,773.62	1/4	1,386.23	1/4	1,010.76	1/4	637.89	1/4	250.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,765.55	1/2	1,378.16	1/2	1,003.00	1/2	629.82	1/2	242.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,757.48	3/4	1,370.09	3/4	995.24	3/4	621.75	3/4	234.41	3/4		3/4		3/4		3/4		3/4	
11	1,749.40	11	1,362.02	11	987.48	11	613.68	11	226.34	11		11		11		11		11	
1/4	1,741.33	1/4	1,353.95	1/4	979.73	1/4	605.61	1/4	218.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,733.26	1/2	1,345.88	1/2	971.97	1/2	597.54	1/2	210.20	1/2		1/2		1/2		1/2		1/2	
3/4	1,725.19	3/4	1,337.81	3/4	964.22	3/4	589.47	3/4	202.13	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/02/2023 JS
CALCULATED: 02/02/2023 CL
PRINTED: 02/03/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2023



BARGE "EMS 528"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/2"

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	IN	0
					4,514.94		4,272.82		4,012.96		3,745.50		3,436.87		3,076.63		2,715.51		2,354.30		
1/4	1/4	1/4	1/4	1/4	4,510.07	1/4	4,267.58	1/4	4,007.39	1/4	3,739.93	1/4	3,429.46	1/4	3,069.11	1/4	2,707.99	1/4	2,346.77		
1/2	1/2	1/2	1/2	1/2	4,734.86	1/2	4,505.21	1/2	4,262.34	1/2	4,001.82	1/2	3,734.35	1/2	3,422.05	1/2	3,061.59	1/2	2,700.47	1/2	2,339.23
3/4	3/4	3/4	3/4	3/4	4,731.64	3/4	4,500.31	3/4	4,257.07	3/4	3,996.25	3/4	3,728.78	3/4	3,414.63	3/4	3,054.06	3/4	2,692.94	3/4	2,331.70
1	1	1	1	1	4,728.43	1	4,495.42	1	4,251.80	1	3,990.68	1	3,723.21	1	3,407.22	1	3,046.54	1	2,685.42	1	2,324.17
1/4	1/4	1/4	1/4	1/4	4,725.21	1/4	4,490.52	1/4	4,246.52	1/4	3,985.11	1/4	3,717.64	1/4	3,399.81	1/4	3,039.02	1/4	2,677.90	1/4	2,316.64
1/2	1/2	1/2	1/2	1/2	4,722.00	1/2	4,485.63	1/2	4,241.25	1/2	3,979.53	1/2	3,712.06	1/2	3,392.39	1/2	3,031.49	1/2	2,670.37	1/2	2,309.10
3/4	3/4	3/4	3/4	3/4	4,717.37	3/4	4,480.70	3/4	4,235.95	3/4	3,973.96	3/4	3,706.49	3/4	3,384.92	3/4	3,023.97	3/4	2,662.85	3/4	2,301.57
2	2	2	2	2	4,712.75	2	4,475.78	2	4,230.65	2	3,968.39	2	3,700.92	2	3,377.46	2	3,016.45	2	2,655.33	2	2,294.04
1/4	1/4	1/4	1/4	1/4	4,708.12	1/4	4,470.85	1/4	4,225.35	1/4	3,962.82	1/4	3,695.35	1/4	3,369.99	1/4	3,008.92	1/4	2,647.80	1/4	2,286.51
1/2	1/2	1/2	1/2	1/2	4,703.49	1/2	4,465.93	1/2	4,220.05	1/2	3,957.25	1/2	3,689.78	1/2	3,362.52	1/2	3,001.40	1/2	2,640.28	1/2	2,278.97
3/4	3/4	3/4	3/4	3/4	4,698.12	3/4	4,460.98	3/4	4,214.72	3/4	3,951.67	3/4	3,684.20	3/4	3,354.99	3/4	2,993.88	3/4	2,632.76	3/4	2,271.44
3	3	3	3	3	4,692.74	3	4,455.02	3	4,209.39	3	3,946.10	3	3,678.63	3	3,347.47	3	2,986.35	3	2,625.23	3	2,263.91
1/4	1/4	1/4	1/4	1/4	4,687.36	1/4	4,451.07	1/4	4,204.06	1/4	3,940.53	1/4	3,673.06	1/4	3,339.95	1/4	2,978.83	1/4	2,617.71	1/4	2,256.38
1/2	1/2	1/2	1/2	1/2	4,681.98	1/2	4,446.12	1/2	4,198.73	1/2	3,934.96	1/2	3,667.49	1/2	3,332.42	1/2	2,971.31	1/2	2,610.19	1/2	2,248.84
3/4	3/4	3/4	3/4	3/4	4,676.50	3/4	4,441.14	3/4	4,193.38	3/4	3,929.38	3/4	3,661.91	3/4	3,324.90	3/4	2,963.78	3/4	2,602.66	3/4	2,241.32
4	4	4	4	4	4,671.03	4	4,436.16	4	4,188.02	4	3,923.81	4	3,656.34	4	3,317.38	4	2,956.26	4	2,595.14	4	2,233.79
1/4	1/4	1/4	1/4	1/4	4,665.55	1/4	4,431.17	1/4	4,182.66	1/4	3,918.24	1/4	3,650.77	1/4	3,309.85	1/4	2,948.74	1/4	2,587.62	1/4	2,226.27
1/2	1/2	1/2	1/2	1/2	4,660.08	1/2	4,426.19	1/2	4,177.30	1/2	3,912.67	1/2	3,645.20	1/2	3,302.33	1/2	2,941.21	1/2	2,580.09	1/2	2,218.74
3/4	3/4	3/4	3/4	3/4	4,654.82	3/4	4,421.18	3/4	4,171.92	3/4	3,907.09	3/4	3,639.62	3/4	3,294.81	3/4	2,933.69	3/4	2,572.57	3/4	2,211.23
5	5	5	5	5	4,649.55	5	4,416.17	5	4,166.53	5	3,901.52	5	3,634.05	5	3,287.28	5	2,926.17	5	2,565.05	5	2,203.71
1/4	1/4	1/4	1/4	1/4	4,644.29	1/4	4,411.16	1/4	4,161.15	1/4	3,895.95	1/4	3,628.48	1/4	3,279.76	1/4	2,918.64	1/4	2,557.52	1/4	2,196.19
1/2	1/2	1/2	1/2	1/2	4,639.03	1/2	4,406.15	1/2	4,155.76	1/2	3,890.38	1/2	3,622.91	1/2	3,272.24	1/2	2,911.12	1/2	2,550.00	1/2	2,188.68
3/4	3/4	3/4	3/4	3/4	4,634.18	3/4	4,401.11	3/4	4,150.34	3/4	3,884.81	3/4	3,616.85	3/4	3,264.71	3/4	2,903.60	3/4	2,542.48	3/4	2,181.16
6	6	6	6	6	4,629.33	6	4,396.07	6	4,144.93	6	3,879.23	6	3,610.78	6	3,257.19	6	2,896.07	6	2,534.95	6	2,173.65
1/4	1/4	1/4	1/4	1/4	4,624.49	1/4	4,391.04	1/4	4,139.51	1/4	3,873.66	1/4	3,604.72	1/4	3,249.67	1/4	2,888.55	1/4	2,527.43	1/4	2,166.13
1/2	1/2	1/2	1/2	1/2	4,619.64	1/2	4,386.00	1/2	4,134.10	1/2	3,868.09	1/2	3,598.66	1/2	3,242.14	1/2	2,881.03	1/2	2,519.91	1/2	2,158.61
3/4	3/4	3/4	3/4	3/4	4,614.98	3/4	4,380.93	3/4	4,128.66	3/4	3,862.52	3/4	3,591.62	3/4	3,234.62	3/4	2,873.50	3/4	2,512.38	3/4	2,151.10
7	7	7	7	7	4,610.32	7	4,375.86	7	4,123.21	7	3,856.94	7	3,584.59	7	3,227.10	7	2,865.98	7	2,504.86	7	2,143.58
1/4	1/4	1/4	1/4	1/4	4,605.66	1/4	4,370.80	1/4	4,117.77	1/4	3,851.37	1/4	3,577.55	1/4	3,219.57	1/4	2,858.46	1/4	2,497.34	1/4	2,136.07
1/2	1/2	1/2	1/2	1/2	4,601.01	1/2	4,365.73	1/2	4,112.33	1/2	3,845.80	1/2	3,570.51	1/2	3,212.05	1/2	2,850.93	1/2	2,489.81	1/2	2,128.55
3/4	3/4	3/4	3/4	3/4	4,596.32	3/4	4,360.63	3/4	4,106.85	3/4	3,840.23	3/4	3,563.04	3/4	3,204.53	3/4	2,843.41	3/4	2,482.29	3/4	2,121.03
8	8	8	8	8	4,591.63	8	4,355.54	8	4,101.38	8	3,834.65	8	3,555.58	8	3,197.00	8	2,835.89	8	2,474.77	8	2,113.52
1/4	1/4	1/4	1/4	1/4	4,586.95	1/4	4,350.44	1/4	4,095.91	1/4	3,829.08	1/4	3,548.11	1/4	3,189.48	1/4	2,828.36	1/4	2,467.24	1/4	2,106.00
1/2	1/2	1/2	1/2	1/2	4,582.26	1/2	4,345.34	1/2	4,090.44	1/2	3,823.51	1/2	3,540.64	1/2	3,181.96	1/2	2,820.84	1/2	2,459.72	1/2	2,098.48
3/4	3/4	3/4	3/4	3/4	4,577.51	3/4	4,340.22	3/4	4,084.94	3/4	3,817.94	3/4	3,533.23	3/4	3,174.44	3/4	2,813.32	3/4	2,452.19	3/4	2,090.97
9	9	9	9	9	4,572.76	9	4,335.10	9	4,079.44	9	3,812.37	9	3,525.82	9	3,166.91	9	2,805.79	9	2,444.67	9	2,083.45
1/4	1/4	1/4	1/4	1/4	4,568.01	1/4	4,329.97	1/4	4,073.94	1/4	3,806.79	1/4	3,518.41	1/4	3,159.39	1/4	2,798.27	1/4	2,437.14	1/4	2,075.94
1/2	1/2	1/2	1/2	1/2	4,563.27	1/2	4,324.85	1/2	4,068.43	1/2	3,801.22	1/2	3,510.99	1/2	3,151.87	1/2	2,790.75	1/2	2,429.61	1/2	2,068.42
3/4	3/4	3/4	3/4	3/4	4,558.46	3/4	4,319.68	3/4	4,062.91	3/4	3,795.65	3/4	3,503.58	3/4	3,144.34	3/4	2,783.22	3/4	2,422.08	3/4	2,060.90
10	10	10	10	10	4,553.65	10	4,314.51	10	4,057.38	10	3,790.08	10	3,496.17	10	3,136.82	10	2,775.70	10	2,414.55	10	2,053.39
1/4	1/4	1/4	1/4	1/4	4,548.84	1/4	4,309.34	1/4	4,051.85	1/4	3,784.50	1/4	3,488.76	1/4	3,129.30	1/4	2,768.18	1/4	2,407.02	1/4	2,045.87
1/2	1/2	1/2	1/2	1/2	4,544.03	1/2	4,304.17	1/2	4,046.32	1/2	3,778.93	1/2	3,481.34	1/2	3,121.77	1/2	2,760.65	1/2	2,399.49	1/2	2,038.35
3/4	3/4	3/4	3/4	3/4	4,539.19	3/4	4,298.95	3/4	4,040.76	3/4	3,773.36	3/4	3,473.93	3/4	3,114.25	3/4	2,753.13	3/4	2,391.96	3/4	2,030.84
11	11	11	11	11	4,534.35	11	4,293.74	11	4,035.21	11	3,767.79	11	3,466.52	11	3,106.73	11	2,745.61	11	2,384.43	11	2,023.32
1/4	1/4	1/4	1/4	1/4	4,529.51	1/4	4,288.53	1/4	4,029.65	1/4	3,762.22	1/4	3,459.11	1/4	3,099.20	1/4	2,738.08	1/4	2,376.90	1/4	2,015.81
1/2	1/2	1/2	1/2	1/2	4,524.67	1/2	4,283.31	1/2	4,024.10	1/2	3,756.64	1/2	3,451.70	1/2	3,091.68	1/2	2,730.56	1/2	2,369.37	1/2	2,008.29
3/4	3/4	3/4	3/4	3/4	4,519.81	3/4	4,278.07	3/4	4,018.53	3/4	3,751.07	3/4	3,444.28	3/4	3,084.16	3/4	2,723.04	3/4	2,361.83	3/4	2,000.77

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'-09" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 528"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	1,993.26	0	1,632.06	0	1,270.64	0	910.79	0	557.77	0	196.23	0		0		0		0	
1/4	1,985.74	1/4	1,624.53	1/4	1,263.11	1/4	903.47	1/4	550.24	1/4	188.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,978.23	1/2	1,617.00	1/2	1,255.58	1/2	896.15	1/2	542.71	1/2	181.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,970.71	3/4	1,609.47	3/4	1,248.05	3/4	888.83	3/4	535.17	3/4	173.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,963.19	1	1,601.94	1	1,240.52	1	881.52	1	527.64	1	166.10	1	1	1	1	1	1	1	1
1/4	1,955.68	1/4	1,594.41	1/4	1,232.99	1/4	874.20	1/4	520.11	1/4	158.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,948.16	1/2	1,586.88	1/2	1,225.46	1/2	866.89	1/2	512.57	1/2	151.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,940.64	3/4	1,579.35	3/4	1,217.93	3/4	859.57	3/4	505.04	3/4	143.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,933.13	2	1,571.82	2	1,210.40	2	852.25	2	497.51	2	135.96	2	2	2	2	2	2	2	2
1/4	1,925.61	1/4	1,564.29	1/4	1,202.88	1/4	844.94	1/4	489.98	1/4	128.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,918.10	1/2	1,556.76	1/2	1,195.35	1/2	837.62	1/2	482.44	1/2	120.90	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,910.58	3/4	1,549.23	3/4	1,187.82	3/4	830.31	3/4	474.91	3/4	113.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,903.06	3	1,541.71	3	1,180.29	3	822.99	3	467.38	3	105.83	3	3	3	3	3	3	3	3
1/4	1,895.55	1/4	1,534.18	1/4	1,172.76	1/4	815.68	1/4	459.85	1/4	98.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,888.03	1/2	1,526.65	1/2	1,165.23	1/2	808.36	1/2	452.31	1/2	90.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.51	3/4	1,519.12	3/4	1,157.70	3/4	801.05	3/4	444.79	3/4	83.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,872.99	4	1,511.59	4	1,150.17	4	793.73	4	437.26	4	75.70	4	4	4	4	4	4	4	4
1/4	1,865.46	1/4	1,504.06	1/4	1,142.64	1/4	786.42	1/4	429.73	1/4	68.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,857.94	1/2	1,496.53	1/2	1,135.11	1/2	779.10	1/2	422.20	1/2	60.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,850.41	3/4	1,489.00	3/4	1,127.58	3/4	771.79	3/4	414.67	3/4	53.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,842.88	5	1,481.47	5	1,120.05	5	764.47	5	407.14	5	46.82	5	5	5	5	5	5	5	5
1/4	1,835.35	1/4	1,473.94	1/4	1,112.52	1/4	757.16	1/4	399.61	1/4	39.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,827.82	1/2	1,466.41	1/2	1,104.99	1/2	749.85	1/2	392.09	1/2	33.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,820.29	3/4	1,458.88	3/4	1,097.46	3/4	742.53	3/4	384.56	3/4	27.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,812.76	6	1,451.35	6	1,089.93	6	735.22	6	377.02	6	22.97	6	6	6	6	6	6	6	6
1/4	1,805.23	1/4	1,443.82	1/4	1,082.40	1/4	727.91	1/4	369.49	1/4	17.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,797.70	1/2	1,436.29	1/2	1,074.87	1/2	720.60	1/2	361.96	1/2	12.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,790.18	3/4	1,428.76	3/4	1,067.34	3/4	713.28	3/4	354.43	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,782.65	7	1,421.23	7	1,059.81	7	705.97	7	346.90	7		7	7	7	7	7	7	7	7
1/4	1,775.12	1/4	1,413.71	1/4	1,052.28	1/4	698.65	1/4	339.36	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,767.59	1/2	1,406.18	1/2	1,044.75	1/2	691.34	1/2	331.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,760.06	3/4	1,398.65	3/4	1,037.22	3/4	684.02	3/4	324.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,752.53	8	1,391.12	8	1,029.69	8	676.69	8	316.76	8		8	8	8	8	8	8	8	8
1/4	1,745.00	1/4	1,383.59	1/4	1,022.16	1/4	669.37	1/4	309.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,737.47	1/2	1,376.06	1/2	1,014.63	1/2	662.05	1/2	301.70	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,729.94	3/4	1,368.53	3/4	1,007.10	3/4	654.72	3/4	294.16	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,722.41	9	1,361.00	9	999.57	9	647.38	9	286.63	9		9	9	9	9	9	9	9	9
1/4	1,714.88	1/4	1,353.47	1/4	992.04	1/4	640.05	1/4	279.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,707.35	1/2	1,345.94	1/2	984.51	1/2	632.71	1/2	271.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,699.82	3/4	1,338.41	3/4	977.07	3/4	625.28	3/4	264.03	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,692.29	10	1,330.88	10	969.64	10	617.84	10	256.50	10		10	10	10	10	10	10	10	10
1/4	1,684.76	1/4	1,323.35	1/4	962.21	1/4	610.41	1/4	248.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,677.23	1/2	1,315.82	1/2	954.77	1/2	602.97	1/2	241.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,669.70	3/4	1,308.29	3/4	947.44	3/4	595.44	3/4	233.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,662.18	11	1,300.76	11	940.11	11	587.91	11	226.36	11		11	11	11	11	11	11	11	11
1/4	1,654.65	1/4	1,293.23	1/4	932.77	1/4	580.37	1/4	218.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,647.12	1/2	1,285.70	1/2	925.44	1/2	572.84	1/2	211.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,639.59	3/4	1,278.17	3/4	918.12	3/4	565.31	3/4	203.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/02/2023 JS
CALCULATED: 02/02/2023 CL
PRINTED: 02/03/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

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<http://www.pmacorp.net>





BARGE "EMS 528"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0	4,693.43	0	4,464.28	0	4,221.96	0	3,962.12	0	3,695.38	0	3,384.25	0	3,025.89	0	2,666.87	0	2,307.89
1/4	1/4	1/4	4,690.22	1/4	4,459.39	1/4	4,216.70	1/4	3,956.57	1/4	3,689.82	1/4	3,376.88	1/4	3,018.41	1/4	2,659.39	1/4	2,300.40
1/2	1/2	1/2	4,687.01	1/2	4,454.51	1/2	4,211.44	1/2	3,951.01	1/2	3,684.26	1/2	3,369.51	1/2	3,010.93	1/2	2,651.91	1/2	2,292.91
3/4	3/4	3/4	4,683.80	3/4	4,449.62	3/4	4,206.18	3/4	3,945.45	3/4	3,678.71	3/4	3,362.14	3/4	3,003.45	3/4	2,644.43	3/4	2,285.42
1	1	1	4,680.60	1	4,444.74	1	4,200.92	1	3,939.89	1	3,673.15	1	3,354.77	1	2,995.97	1	2,636.95	1	2,277.92
1/4	1/4	1/4	4,675.98	1/4	4,439.82	1/4	4,195.64	1/4	3,934.34	1/4	3,667.59	1/4	3,347.35	1/4	2,988.49	1/4	2,629.47	1/4	2,270.43
1/2	1/2	1/2	4,671.36	1/2	4,434.91	1/2	4,190.35	1/2	3,928.78	1/2	3,662.03	1/2	3,339.93	1/2	2,981.02	1/2	2,622.00	1/2	2,262.94
3/4	3/4	3/4	4,666.75	3/4	4,429.99	3/4	4,185.06	3/4	3,923.22	3/4	3,656.48	3/4	3,332.50	3/4	2,973.54	3/4	2,614.52	3/4	2,255.45
2	2	2	4,662.13	2	4,425.08	2	4,179.77	2	3,917.67	2	3,650.92	2	3,325.08	2	2,966.06	2	2,607.04	2	2,247.96
1/4	1/4	1/4	4,656.77	1/4	4,420.14	1/4	4,174.46	1/4	3,912.11	1/4	3,645.36	1/4	3,317.60	1/4	2,958.58	1/4	2,599.57	1/4	2,240.47
1/2	1/2	1/2	4,651.40	1/2	4,415.20	1/2	4,169.14	1/2	3,906.55	1/2	3,639.81	1/2	3,310.12	1/2	2,951.10	1/2	2,592.09	1/2	2,232.98
3/4	3/4	3/4	4,646.04	3/4	4,410.25	3/4	4,163.83	3/4	3,900.99	3/4	3,634.25	3/4	3,302.64	3/4	2,943.62	3/4	2,584.62	3/4	2,225.49
3	3	3	4,640.67	3	4,405.31	3	4,158.51	3	3,895.44	3	3,628.69	3	3,295.16	3	2,936.14	3	2,575.14	3	2,218.00
1/4	1/4	1/4	4,635.21	1/4	4,400.34	1/4	4,153.17	1/4	3,889.88	1/4	3,623.13	1/4	3,287.68	1/4	2,928.66	1/4	2,569.67	1/4	2,210.52
1/2	1/2	1/2	4,629.75	1/2	4,395.37	1/2	4,147.82	1/2	3,884.32	1/2	3,617.58	1/2	3,280.20	1/2	2,921.18	1/2	2,562.20	1/2	2,203.04
3/4	3/4	3/4	4,624.29	3/4	4,390.40	3/4	4,142.48	3/4	3,878.76	3/4	3,612.02	3/4	3,272.72	3/4	2,913.70	3/4	2,554.72	3/4	2,195.56
4	4	4	4,618.83	4	4,385.43	4	4,137.14	4	3,873.21	4	3,606.46	4	3,265.24	4	2,906.22	4	2,547.25	4	2,188.07
1/4	1/4	1/4	4,613.58	1/4	4,380.43	1/4	4,131.76	1/4	3,867.65	1/4	3,600.90	1/4	3,257.76	1/4	2,898.74	1/4	2,539.77	1/4	2,180.60
1/2	1/2	1/2	4,608.33	1/2	4,375.43	1/2	4,126.39	1/2	3,862.09	1/2	3,595.35	1/2	3,250.28	1/2	2,891.26	1/2	2,532.30	1/2	2,173.13
3/4	3/4	3/4	4,603.08	3/4	4,370.43	3/4	4,121.02	3/4	3,856.54	3/4	3,589.79	3/4	3,242.80	3/4	2,883.78	3/4	2,524.82	3/4	2,165.65
5	5	5	4,597.83	5	4,365.43	5	4,115.65	5	3,850.98	5	3,584.23	5	3,235.32	5	2,876.30	5	2,517.35	5	2,158.18
1/4	1/4	1/4	4,592.99	1/4	4,360.41	1/4	4,110.25	1/4	3,845.42	1/4	3,578.19	1/4	3,227.85	1/4	2,868.82	1/4	2,509.87	1/4	2,150.70
1/2	1/2	1/2	4,588.16	1/2	4,355.38	1/2	4,104.84	1/2	3,839.86	1/2	3,572.15	1/2	3,220.37	1/2	2,861.34	1/2	2,502.40	1/2	2,143.23
3/4	3/4	3/4	4,583.32	3/4	4,350.35	3/4	4,099.44	3/4	3,834.31	3/4	3,566.10	3/4	3,212.89	3/4	2,853.86	3/4	2,494.93	3/4	2,135.75
6	6	6	4,578.48	6	4,345.33	6	4,094.04	6	3,828.75	6	3,560.06	6	3,205.41	6	2,846.38	6	2,487.45	6	2,128.28
1/4	1/4	1/4	4,573.83	1/4	4,340.27	1/4	4,088.61	1/4	3,823.19	1/4	3,553.05	1/4	3,197.93	1/4	2,838.90	1/4	2,479.98	1/4	2,120.81
1/2	1/2	1/2	4,569.18	1/2	4,335.21	1/2	4,083.18	1/2	3,817.64	1/2	3,546.04	1/2	3,190.45	1/2	2,831.42	1/2	2,472.50	1/2	2,113.33
3/4	3/4	3/4	4,564.53	3/4	4,330.16	3/4	4,077.76	3/4	3,812.08	3/4	3,539.03	3/4	3,182.97	3/4	2,823.94	3/4	2,465.03	3/4	2,105.86
7	7	7	4,559.88	7	4,325.10	7	4,072.33	7	3,806.52	7	3,532.02	7	3,175.49	7	2,816.46	7	2,457.55	7	2,098.38
1/4	1/4	1/4	4,555.21	1/4	4,320.02	1/4	4,066.87	1/4	3,800.96	1/4	3,524.59	1/4	3,168.01	1/4	2,808.98	1/4	2,450.08	1/4	2,090.96
1/2	1/2	1/2	4,550.53	1/2	4,314.93	1/2	4,061.41	1/2	3,795.41	1/2	3,517.15	1/2	3,160.53	1/2	2,801.50	1/2	2,442.61	1/2	2,083.53
3/4	3/4	3/4	4,545.85	3/4	4,309.85	3/4	4,055.95	3/4	3,789.85	3/4	3,509.71	3/4	3,153.05	3/4	2,794.02	3/4	2,435.13	3/4	2,076.10
8	8	8	4,541.17	8	4,304.77	8	4,050.50	8	3,784.29	8	3,502.28	8	3,145.57	8	2,786.54	8	2,427.66	8	2,068.67
1/4	1/4	1/4	4,536.43	1/4	4,299.65	1/4	4,045.01	1/4	3,778.74	1/4	3,494.90	1/4	3,138.09	1/4	2,779.06	1/4	2,420.18	1/4	2,061.29
1/2	1/2	1/2	4,531.69	1/2	4,294.54	1/2	4,039.52	1/2	3,773.18	1/2	3,487.52	1/2	3,130.61	1/2	2,771.58	1/2	2,412.70	1/2	2,053.91
3/4	3/4	3/4	4,526.96	3/4	4,289.43	3/4	4,034.04	3/4	3,767.62	3/4	3,480.14	3/4	3,123.13	3/4	2,764.10	3/4	2,405.22	3/4	2,046.53
9	9	9	4,522.22	9	4,284.31	9	4,028.55	9	3,762.06	9	3,472.75	9	3,115.65	9	2,756.62	9	2,397.74	9	2,039.15
1/4	1/4	1/4	4,517.42	1/4	4,279.16	1/4	4,023.04	1/4	3,756.51	1/4	3,465.37	1/4	3,108.17	1/4	2,749.14	1/4	2,390.26	1/4	2,031.77
1/2	1/2	1/2	4,512.62	1/2	4,274.00	1/2	4,017.52	1/2	3,750.95	1/2	3,457.99	1/2	3,100.69	1/2	2,741.66	1/2	2,382.77	1/2	2,024.39
3/4	3/4	3/4	4,507.82	3/4	4,268.84	3/4	4,012.01	3/4	3,745.39	3/4	3,450.61	3/4	3,093.21	3/4	2,734.19	3/4	2,375.29	3/4	2,017.01
10	10	10	4,503.02	10	4,263.69	10	4,006.49	10	3,739.83	10	3,443.23	10	3,085.73	10	2,726.71	10	2,367.81	10	2,009.63
1/4	1/4	1/4	4,498.19	1/4	4,258.48	1/4	4,000.95	1/4	3,734.28	1/4	3,435.86	1/4	3,078.25	1/4	2,719.23	1/4	2,360.32	1/4	2,002.25
1/2	1/2	1/2	4,493.36	1/2	4,253.28	1/2	3,995.41	1/2	3,728.72	1/2	3,428.48	1/2	3,070.77	1/2	2,711.75	1/2	2,352.83	1/2	1,994.87
3/4	3/4	3/4	4,488.53	3/4	4,248.08	3/4	3,989.87	3/4	3,723.16	3/4	3,421.11	3/4	3,063.29	3/4	2,704.27	3/4	2,345.34	3/4	1,987.49
11	11	11	4,483.70	11	4,242.88	11	3,984.34	11	3,717.61	11	3,413.73	11	3,055.81	11	2,696.79	11	2,337.85	11	1,980.10
1/4	1/4	1/4	4,478.85	1/4	4,237.65	1/4	3,978.78	1/4	3,712.05	1/4	3,406.36	1/4	3,048.33	1/4	2,689.31	1/4	2,330.36	1/4	1,972.72
1/2	1/2	1/2	4,473.99	1/2	4,232.42	1/2	3,973.23	1/2	3,706.49	1/2	3,398.99	1/2	3,040.85	1/2	2,681.83	1/2	2,322.87	1/2	1,965.34
3/4	3/4	3/4	4,469.13	3/4	4,227.19	3/4	3,967.68	3/4	3,700.93	3/4	3,391.62	3/4	3,033.37	3/4	2,674.35	3/4	2,315.38	3/4	1,957.96

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'-09" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 528"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-06"

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	1,950.58	0	1,594.24	0	1,235.01	0	880.65	0	539.98	0	180.39	0		0		0		0	
1/4	1,943.20	1/4	1,586.75	1/4	1,227.53	1/4	873.67	1/4	532.48	1/4	172.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,935.82	1/2	1,579.27	1/2	1,220.04	1/2	866.69	1/2	524.99	1/2	165.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,928.44	3/4	1,571.79	3/4	1,212.56	3/4	859.70	3/4	517.50	3/4	157.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,921.06	1	1,564.30	1	1,205.07	1	852.72	1	510.01	1	150.42	1	1	1	1	1	1	1	1
1/4	1,913.68	1/4	1,556.82	1/4	1,197.59	1/4	845.73	1/4	502.51	1/4	142.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,906.30	1/2	1,549.33	1/2	1,190.11	1/2	838.75	1/2	495.02	1/2	135.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,898.92	3/4	1,541.85	3/4	1,182.62	3/4	831.76	3/4	487.53	3/4	127.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,891.54	2	1,534.37	2	1,175.14	2	824.77	2	480.04	2	120.43	2	2	2	2	2	2	2	2
1/4	1,884.15	1/4	1,526.88	1/4	1,167.65	1/4	817.79	1/4	472.55	1/4	112.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,876.77	1/2	1,519.40	1/2	1,160.17	1/2	810.80	1/2	465.05	1/2	105.42	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,869.39	3/4	1,511.92	3/4	1,152.68	3/4	803.81	3/4	457.56	3/4	97.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,862.01	3	1,504.43	3	1,145.19	3	796.82	3	450.07	3	90.41	3	3	3	3	3	3	3	3
1/4	1,854.62	1/4	1,496.95	1/4	1,137.71	1/4	789.84	1/4	442.58	1/4	82.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,847.24	1/2	1,489.46	1/2	1,130.22	1/2	782.85	1/2	435.10	1/2	75.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,839.85	3/4	1,481.98	3/4	1,122.73	3/4	775.86	3/4	427.61	3/4	67.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,832.46	4	1,474.50	4	1,115.24	4	768.87	4	420.12	4	60.39	4	4	4	4	4	4	4	4
1/4	1,825.07	1/4	1,467.01	1/4	1,107.76	1/4	761.89	1/4	412.63	1/4	53.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,817.67	1/2	1,459.53	1/2	1,100.28	1/2	754.90	1/2	405.15	1/2	46.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,810.28	3/4	1,452.05	3/4	1,092.79	3/4	747.92	3/4	397.66	3/4	39.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,802.89	5	1,444.56	5	1,085.31	5	740.93	5	390.17	5	32.88	5	5	5	5	5	5	5	5
1/4	1,795.49	1/4	1,437.08	1/4	1,077.83	1/4	733.95	1/4	382.68	1/4	27.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,788.10	1/2	1,429.59	1/2	1,070.35	1/2	726.96	1/2	375.19	1/2	22.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,780.71	3/4	1,422.11	3/4	1,062.87	3/4	719.98	3/4	367.70	3/4	17.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,773.31	6	1,414.63	6	1,055.40	6	712.99	6	360.21	6	12.87	6	6	6	6	6	6	6	6
1/4	1,765.92	1/4	1,407.14	1/4	1,047.92	1/4	706.00	1/4	352.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,758.52	1/2	1,399.66	1/2	1,040.44	1/2	699.02	1/2	345.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,751.13	3/4	1,392.18	3/4	1,032.96	3/4	692.03	3/4	337.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,743.74	7	1,384.69	7	1,025.48	7	685.05	7	330.24	7		7	7	7	7	7	7	7	7
1/4	1,736.30	1/4	1,377.21	1/4	1,018.00	1/4	678.04	1/4	322.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,728.86	1/2	1,369.72	1/2	1,010.52	1/2	671.04	1/2	315.25	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,721.42	3/4	1,362.24	3/4	1,003.04	3/4	664.04	3/4	307.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,713.98	8	1,354.76	8	995.57	8	657.04	8	300.27	8		8	8	8	8	8	8	8	8
1/4	1,706.49	1/4	1,347.27	1/4	988.09	1/4	650.01	1/4	292.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,699.01	1/2	1,339.79	1/2	980.61	1/2	642.99	1/2	285.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,691.53	3/4	1,332.30	3/4	973.13	3/4	635.97	3/4	277.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,684.04	9	1,324.82	9	965.65	9	628.95	9	270.30	9		9	9	9	9	9	9	9	9
1/4	1,676.56	1/4	1,317.34	1/4	958.40	1/4	621.69	1/4	262.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,669.08	1/2	1,309.85	1/2	951.16	1/2	614.43	1/2	255.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,661.59	3/4	1,302.37	3/4	943.91	3/4	607.17	3/4	247.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,654.11	10	1,294.89	10	936.67	10	599.91	10	240.33	10		10	10	10	10	10	10	10	10
1/4	1,646.62	1/4	1,287.40	1/4	929.65	1/4	592.42	1/4	232.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,639.14	1/2	1,279.92	1/2	922.64	1/2	584.93	1/2	225.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,631.66	3/4	1,272.43	3/4	915.63	3/4	577.44	3/4	217.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,624.17	11	1,264.95	11	908.62	11	569.95	11	210.36	11		11	11	11	11	11	11	11	11
1/4	1,616.69	1/4	1,257.46	1/4	901.63	1/4	562.45	1/4	202.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,609.21	1/2	1,249.98	1/2	894.64	1/2	554.96	1/2	195.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,601.72	3/4	1,242.50	3/4	887.64	3/4	547.47	3/4	187.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/02/2023 JS
CALCULATED: 02/02/2023 CL
PRINTED: 02/03/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2023