



BARGE "EMS 529"

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"

March 27, 2023

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 529"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

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
1/4		1/4	4,583.08	1/4	4,285.26	1/4	3,977.29	1/4	3,652.80	1/4	3,321.96	1/4	2,991.11	1/4	2,660.26	1/4	2,329.41	1/4	1,998.55		
1/2		1/2	4,578.30	1/2	4,279.00	1/2	3,970.67	1/2	3,645.91	1/2	3,315.06	1/2	2,984.22	1/2	2,653.37	1/2	2,322.52	1/2	1,991.66		
3/4		3/4	4,573.51	3/4	4,272.73	3/4	3,964.05	3/4	3,639.02	3/4	3,308.17	3/4	2,977.33	3/4	2,646.47	3/4	2,315.62	3/4	1,984.76		
1	1	1	4,568.73	1	4,266.47	1	3,957.43	1	3,632.12	1	3,301.28	1	2,970.43	1	2,639.58	1	2,308.73	1	1,977.87		
1/4		1/4	4,563.94	1/4	4,260.21	1/4	3,950.81	1/4	3,625.23	1/4	3,294.39	1/4	2,963.54	1/4	2,632.69	1/4	2,301.84	1/4	1,970.97		
1/2		1/2	4,557.87	1/2	4,253.92	1/2	3,944.17	1/2	3,618.34	1/2	3,287.49	1/2	2,956.65	1/2	2,625.79	1/2	2,294.95	1/2	1,964.08		
3/4		3/4	4,551.79	3/4	4,247.63	3/4	3,937.53	3/4	3,611.45	3/4	3,280.60	3/4	2,949.75	3/4	2,618.90	3/4	2,288.05	3/4	1,957.18		
2	2	2	4,545.71	2	4,241.34	2	3,930.88	2	3,604.55	2	3,273.71	2	2,942.86	2	2,612.01	2	2,281.16	2	1,950.29		
1/4		1/4	4,539.63	1/4	4,235.05	1/4	3,924.24	1/4	3,597.66	1/4	3,266.82	1/4	2,935.97	1/4	2,605.12	1/4	2,274.27	1/4	1,943.39		
1/2		1/2	4,532.87	1/2	4,228.73	1/2	3,917.57	1/2	3,590.77	1/2	3,259.92	1/2	2,929.07	1/2	2,598.22	1/2	2,267.37	1/2	1,936.50		
3/4		3/4	4,526.10	3/4	4,222.41	3/4	3,910.90	3/4	3,583.87	3/4	3,253.03	3/4	2,922.18	3/4	2,591.33	3/4	2,260.48	3/4	1,929.60		
3	3	3	4,519.33	3	4,216.10	3	3,904.23	3	3,576.98	3	3,246.14	3	2,915.29	3	2,584.44	3	2,253.59	3	1,922.70		
1/4		1/4	4,512.57	1/4	4,209.78	1/4	3,897.56	1/4	3,570.09	1/4	3,239.24	1/4	2,908.40	1/4	2,577.55	1/4	2,246.70	1/4	1,915.81		
1/2		1/2	4,505.72	1/2	4,203.44	1/2	3,890.86	1/2	3,563.20	1/2	3,232.35	1/2	2,901.50	1/2	2,570.65	1/2	2,239.80	1/2	1,908.91		
3/4		3/4	4,498.86	3/4	4,197.10	3/4	3,884.17	3/4	3,556.30	3/4	3,225.46	3/4	2,894.61	3/4	2,563.76	3/4	2,232.91	3/4	1,902.02		
4	4	4	4,492.01	4	4,190.75	4	3,877.47	4	3,549.41	4	3,218.57	4	2,887.72	4	2,556.87	4	2,226.02	4	1,895.12		
1/4		1/4	4,485.16	1/4	4,184.41	1/4	3,870.77	1/4	3,542.52	1/4	3,211.67	1/4	2,880.82	1/4	2,549.97	1/4	2,219.13	1/4	1,888.23		
1/2		1/2	4,478.50	1/2	4,178.04	1/2	3,864.05	1/2	3,535.63	1/2	3,204.78	1/2	2,873.93	1/2	2,543.08	1/2	2,212.23	1/2	1,881.33		
3/4		3/4	4,471.84	3/4	4,171.67	3/4	3,857.33	3/4	3,528.73	3/4	3,197.89	3/4	2,867.04	3/4	2,536.19	3/4	2,205.34	3/4	1,874.44		
5	5	5	4,465.18	5	4,165.30	5	3,850.61	5	3,521.84	5	3,191.00	5	2,860.15	5	2,529.30	5	2,198.45	5	1,867.54		
1/4		1/4	4,458.52	1/4	4,158.94	1/4	3,843.88	1/4	3,514.95	1/4	3,184.10	1/4	2,853.25	1/4	2,522.40	1/4	2,191.55	1/4	1,860.65		
1/2		1/2	4,452.24	1/2	4,152.54	1/2	3,837.14	1/2	3,508.06	1/2	3,177.21	1/2	2,846.36	1/2	2,515.51	1/2	2,184.66	1/2	1,853.75		
3/4		3/4	4,445.96	3/4	4,146.15	3/4	3,830.39	3/4	3,501.16	3/4	3,170.32	3/4	2,839.47	3/4	2,508.62	3/4	2,177.77	3/4	1,846.85		
6	6	6	4,439.68	6	4,139.75	6	3,823.64	6	3,494.27	6	3,163.43	6	2,832.58	6	2,501.73	6	2,170.88	6	1,839.96		
1/4		1/4	4,433.40	1/4	4,133.36	1/4	3,816.89	1/4	3,487.38	1/4	3,156.53	1/4	2,825.68	1/4	2,494.83	1/4	2,163.98	1/4	1,833.06		
1/2		1/2	4,427.29	1/2	4,126.94	1/2	3,810.11	1/2	3,480.49	1/2	3,149.64	1/2	2,818.79	1/2	2,487.94	1/2	2,157.09	1/2	1,826.17		
3/4		3/4	4,421.18	3/4	4,120.52	3/4	3,803.34	3/4	3,473.59	3/4	3,142.75	3/4	2,811.90	3/4	2,481.05	3/4	2,150.20	3/4	1,819.27		
7	7	7	4,415.08	7	4,114.09	7	3,796.56	7	3,466.70	7	3,135.86	7	2,805.00	7	2,474.16	7	2,143.31	7	1,812.38		
1/4		1/4	4,408.97	1/4	4,107.67	1/4	3,789.79	1/4	3,459.81	1/4	3,128.96	1/4	2,798.11	1/4	2,467.26	1/4	2,136.41	1/4	1,805.48		
1/2		1/2	4,402.84	1/2	4,101.23	1/2	3,782.99	1/2	3,452.92	1/2	3,122.07	1/2	2,791.22	1/2	2,460.37	1/2	2,129.52	1/2	1,798.59		
3/4		3/4	4,396.70	3/4	4,094.78	3/4	3,776.19	3/4	3,446.02	3/4	3,115.18	3/4	2,784.33	3/4	2,453.48	3/4	2,122.63	3/4	1,791.69		
8	8	8	4,390.57	8	4,088.33	8	3,769.39	8	3,439.13	8	3,108.29	8	2,777.43	8	2,446.58	8	2,115.73	8	1,784.80		
1/4		1/4	4,384.44	1/4	4,081.88	1/4	3,762.59	1/4	3,432.24	1/4	3,101.39	1/4	2,770.54	1/4	2,439.69	1/4	2,108.84	1/4	1,777.90		
1/2		1/2	4,378.28	1/2	4,075.41	1/2	3,755.76	1/2	3,425.35	1/2	3,094.50	1/2	2,763.65	1/2	2,432.80	1/2	2,101.95	1/2	1,771.01		
3/4		3/4	4,372.12	3/4	4,068.94	3/4	3,748.93	3/4	3,418.45	3/4	3,087.61	3/4	2,756.76	3/4	2,425.91	3/4	2,095.06	3/4	1,764.11		
9	9	9	4,365.96	9	4,062.46	9	3,742.10	9	3,411.56	9	3,080.72	9	2,749.86	9	2,419.01	9	2,088.16	9	1,757.21		
1/4		1/4	4,359.80	1/4	4,055.99	1/4	3,735.28	1/4	3,404.67	1/4	3,073.82	1/4	2,742.97	1/4	2,412.12	1/4	2,081.27	1/4	1,750.32		
1/2		1/2	4,353.61	1/2	4,049.47	1/2	3,728.42	1/2	3,397.77	1/2	3,066.93	1/2	2,736.08	1/2	2,405.23	1/2	2,074.38	1/2	1,743.42		
3/4		3/4	4,347.43	3/4	4,042.95	3/4	3,721.57	3/4	3,390.88	3/4	3,060.04	3/4	2,729.19	3/4	2,398.34	3/4	2,067.49	3/4	1,736.53		
10	10	10	4,341.24	10	4,036.43	10	3,714.72	10	3,383.99	10	3,053.14	10	2,722.29	10	2,391.44	10	2,060.59	10	1,729.63		
1/4		1/4	4,335.06	1/4	4,029.91	1/4	3,707.86	1/4	3,377.10	1/4	3,046.25	1/4	2,715.40	1/4	2,384.55	1/4	2,053.70	1/4	1,722.74		
1/2		1/2	4,328.85	1/2	4,023.35	1/2	3,700.99	1/2	3,370.20	1/2	3,039.36	1/2	2,708.51	1/2	2,377.66	1/2	2,046.81	1/2	1,715.84		
3/4		3/4	4,322.64	3/4	4,016.78	3/4	3,694.11	3/4	3,363.31	3/4	3,032.47	3/4	2,701.61	3/4	2,370.76	3/4	2,039.92	3/4	1,708.95		
11	11	11	4,316.42	11	4,010.22	11	3,687.24	11	3,356.42	11	3,025.57	11	2,694.72	11	2,363.87	11	2,033.03	11	1,702.05		
1/4		1/4	4,310.21	1/4	4,003.65	1/4	3,680.36	1/4	3,349.53	1/4	3,018.68	1/4	2,687.83	1/4	2,356.98	1/4	2,026.14	1/4	1,695.16		
1/2		1/2	4,303.97	1/2	3,997.06	1/2	3,673.47	1/2	3,342.63	1/2	3,011.79	1/2	2,680.94	1/2	2,350.09	1/2	2,019.24	1/2	1,688.26		
3/4		3/4	4,297.74	3/4	3,990.47	3/4	3,666.58	3/4	3,335.74	3/4	3,004.90	3/4	2,674.04	3/4	2,343.19	3/4	2,012.34	3/4	1,681.37		

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 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "EMS 529"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	1,674.47	0	1,343.49	0	1,012.81	0	696.52	0	403.56	0	132.60	0		0		0		0	
1/4	1,667.57	1/4	1,336.60	1/4	1,005.97	1/4	690.17	1/4	397.67	1/4	127.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,660.68	1/2	1,329.70	1/2	999.17	1/2	683.87	1/2	391.82	1/2	121.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,653.78	3/4	1,322.80	3/4	992.38	3/4	677.57	3/4	385.97	3/4	116.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,646.89	1	1,315.91	1	985.58	1	671.26	1	380.11	1	111.03	1	1	1	1	1	1	1	1
1/4	1,639.99	1/4	1,309.01	1/4	978.78	1/4	664.96	1/4	374.26	1/4	105.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,633.10	1/2	1,302.12	1/2	972.03	1/2	658.70	1/2	368.45	1/2	100.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,626.20	3/4	1,295.22	3/4	965.27	3/4	652.43	3/4	362.63	3/4	94.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,619.31	2	1,288.33	2	958.51	2	646.17	2	356.82	2	89.63	2	2	2	2	2	2	2	2
1/4	1,612.41	1/4	1,281.43	1/4	951.75	1/4	639.91	1/4	351.01	1/4	84.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,605.52	1/2	1,274.54	1/2	945.03	1/2	633.68	1/2	345.23	1/2	78.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,598.62	3/4	1,267.64	3/4	938.32	3/4	627.46	3/4	339.46	3/4	73.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,591.73	3	1,260.75	3	931.60	3	621.23	3	333.69	3	68.38	3	3	3	3	3	3	3	3
1/4	1,584.83	1/4	1,253.85	1/4	924.88	1/4	615.01	1/4	327.92	1/4	63.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,577.93	1/2	1,246.96	1/2	918.20	1/2	608.82	1/2	322.19	1/2	57.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,571.04	3/4	1,240.06	3/4	911.52	3/4	602.64	3/4	316.46	3/4	52.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,564.14	4	1,233.16	4	904.84	4	596.45	4	310.73	4	47.29	4	4	4	4	4	4	4	4
1/4	1,557.25	1/4	1,226.27	1/4	898.16	1/4	590.27	1/4	305.00	1/4	42.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,550.35	1/2	1,219.37	1/2	891.52	1/2	584.13	1/2	299.31	1/2	37.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,543.46	3/4	1,212.48	3/4	884.88	3/4	577.98	3/4	293.61	3/4	32.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,536.56	5	1,205.58	5	878.25	5	571.84	5	287.92	5	28.09	5	5	5	5	5	5	5	5
1/4	1,529.67	1/4	1,198.69	1/4	871.61	1/4	565.69	1/4	282.23	1/4	23.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,522.77	1/2	1,191.79	1/2	865.01	1/2	559.59	1/2	276.58	1/2	20.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,515.88	3/4	1,184.90	3/4	858.41	3/4	553.49	3/4	270.92	3/4	16.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,508.98	6	1,178.00	6	851.81	6	547.38	6	265.27	6	13.47	6	6	6	6	6	6	6	6
1/4	1,502.08	1/4	1,171.11	1/4	845.20	1/4	541.28	1/4	259.61	1/4	10.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,495.19	1/2	1,164.21	1/2	838.64	1/2	535.21	1/2	254.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,488.29	3/4	1,157.31	3/4	832.08	3/4	529.15	3/4	248.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,481.40	7	1,150.42	7	825.52	7	523.08	7	242.77	7	7	7	7	7	7	7	7	7	7
1/4	1,474.50	1/4	1,143.52	1/4	818.96	1/4	517.02	1/4	237.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,467.61	1/2	1,136.63	1/2	812.44	1/2	510.98	1/2	231.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,460.71	3/4	1,129.73	3/4	805.92	3/4	504.95	3/4	225.99	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
8	1,453.82	8	1,122.84	8	799.40	8	498.91	8	220.42	8	8	8	8	8	8	8	8	8	8
1/4	1,446.92	1/4	1,115.94	1/4	792.87	1/4	492.87	1/4	214.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,440.03	1/2	1,109.05	1/2	786.39	1/2	486.87	1/2	209.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,433.13	3/4	1,102.15	3/4	779.91	3/4	480.86	3/4	203.76	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
9	1,426.24	9	1,095.26	9	773.43	9	474.85	9	198.23	9	9	9	9	9	9	9	9	9	9
1/4	1,419.34	1/4	1,088.36	1/4	766.95	1/4	468.85	1/4	192.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,412.44	1/2	1,081.47	1/2	760.50	1/2	462.88	1/2	187.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,405.55	3/4	1,074.58	3/4	754.06	3/4	456.91	3/4	181.69	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
10	1,398.65	10	1,067.69	10	747.62	10	450.94	10	176.19	10	10	10	10	10	10	10	10	10	10
1/4	1,391.76	1/4	1,060.80	1/4	741.17	1/4	444.96	1/4	170.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,384.86	1/2	1,053.93	1/2	734.77	1/2	439.03	1/2	165.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,377.97	3/4	1,047.06	3/4	728.37	3/4	433.10	3/4	159.77	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
11	1,371.07	11	1,040.19	11	721.97	11	427.17	11	154.32	11	11	11	11	11	11	11	11	11	11
1/4	1,364.18	1/4	1,033.32	1/4	715.57	1/4	421.24	1/4	148.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,357.28	1/2	1,026.48	1/2	709.22	1/2	415.35	1/2	143.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,350.39	3/4	1,019.64	3/4	702.87	3/4	409.46	3/4	138.02	3/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2023 JS
CALCULATED: 03/27/2023 CL
PRINTED: 03/27/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "EMS 529"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	4,563.96	0	4,265.54	0	3,958.11	0	3,634.29	0	3,304.40	0	2,974.51	0	2,644.61	0	2,314.71	0	1,984.80
1/4		1/4	4,559.19	1/4	4,259.29	1/4	3,951.51	1/4	3,627.42	1/4	3,297.53	1/4	2,967.63	1/4	2,637.74	1/4	2,307.84	1/4	1,977.92
1/2		1/2	4,554.42	1/2	4,253.05	1/2	3,944.91	1/2	3,620.55	1/2	3,290.65	1/2	2,960.76	1/2	2,630.86	1/2	2,300.96	1/2	1,971.05
3/4		3/4	4,549.65	3/4	4,246.80	3/4	3,938.32	3/4	3,613.68	3/4	3,283.78	3/4	2,953.89	3/4	2,623.99	3/4	2,294.09	3/4	1,964.17
1		1	4,543.59	1	4,240.53	1	3,931.69	1	3,606.80	1	3,276.91	1	2,947.02	1	2,617.12	1	2,287.22	1	1,957.29
1/4		1/4	4,537.53	1/4	4,234.26	1/4	3,925.07	1/4	3,599.93	1/4	3,270.04	1/4	2,940.14	1/4	2,610.24	1/4	2,280.35	1/4	1,950.42
1/2		1/2	4,531.47	1/2	4,227.99	1/2	3,918.44	1/2	3,593.06	1/2	3,263.16	1/2	2,933.27	1/2	2,603.37	1/2	2,273.47	1/2	1,943.54
3/4		3/4	4,525.41	3/4	4,221.72	3/4	3,911.82	3/4	3,586.19	3/4	3,256.29	3/4	2,926.40	3/4	2,596.50	3/4	2,266.60	3/4	1,936.67
2		2	4,518.66	2	4,215.42	2	3,905.17	2	3,579.31	2	3,249.42	2	2,919.52	2	2,589.63	2	2,259.73	2	1,929.79
1/4		1/4	4,511.92	1/4	4,209.12	1/4	3,898.52	1/4	3,572.44	1/4	3,242.55	1/4	2,912.65	1/4	2,582.75	1/4	2,252.85	1/4	1,922.92
1/2		1/2	4,505.17	1/2	4,202.82	1/2	3,891.87	1/2	3,565.57	1/2	3,235.67	1/2	2,905.78	1/2	2,575.88	1/2	2,245.98	1/2	1,916.04
3/4		3/4	4,498.42	3/4	4,196.52	3/4	3,885.21	3/4	3,558.69	3/4	3,228.80	3/4	2,898.91	3/4	2,569.01	3/4	2,239.11	3/4	1,909.17
3		3	4,491.59	3	4,190.20	3	3,878.54	3	3,551.82	3	3,221.93	3	2,892.03	3	2,562.13	3	2,232.23	3	1,902.29
1/4		1/4	4,484.76	1/4	4,183.88	1/4	3,871.86	1/4	3,544.95	1/4	3,215.05	1/4	2,885.16	1/4	2,555.26	1/4	2,225.36	1/4	1,895.42
1/2		1/2	4,477.92	1/2	4,177.55	1/2	3,865.18	1/2	3,538.08	1/2	3,208.18	1/2	2,878.29	1/2	2,548.39	1/2	2,218.49	1/2	1,888.54
3/4		3/4	4,471.09	3/4	4,171.23	3/4	3,858.51	3/4	3,531.20	3/4	3,201.31	3/4	2,871.41	3/4	2,541.52	3/4	2,211.62	3/4	1,881.66
4		4	4,464.45	4	4,164.88	4	3,851.80	4	3,524.33	4	3,194.44	4	2,864.54	4	2,534.64	4	2,204.74	4	1,874.79
1/4		1/4	4,457.81	1/4	4,158.53	1/4	3,845.10	1/4	3,517.46	1/4	3,187.56	1/4	2,857.67	1/4	2,527.77	1/4	2,197.87	1/4	1,867.91
1/2		1/2	4,451.17	1/2	4,152.18	1/2	3,838.40	1/2	3,510.58	1/2	3,180.69	1/2	2,850.80	1/2	2,520.90	1/2	2,191.00	1/2	1,861.04
3/4		3/4	4,444.53	3/4	4,145.83	3/4	3,831.69	3/4	3,503.71	3/4	3,173.82	3/4	2,843.92	3/4	2,514.02	3/4	2,184.12	3/4	1,854.16
5		5	4,438.27	5	4,139.45	5	3,824.97	5	3,496.84	5	3,166.94	5	2,837.05	5	2,507.15	5	2,177.25	5	1,847.29
1/4		1/4	4,432.00	1/4	4,133.08	1/4	3,818.24	1/4	3,489.97	1/4	3,160.07	1/4	2,830.18	1/4	2,500.28	1/4	2,170.38	1/4	1,840.41
1/2		1/2	4,425.74	1/2	4,126.70	1/2	3,811.51	1/2	3,483.09	1/2	3,153.20	1/2	2,823.30	1/2	2,493.40	1/2	2,163.51	1/2	1,833.54
3/4		3/4	4,419.48	3/4	4,120.33	3/4	3,804.78	3/4	3,476.22	3/4	3,146.33	3/4	2,816.43	3/4	2,486.53	3/4	2,156.63	3/4	1,826.66
6		6	4,413.39	6	4,113.92	6	3,798.02	6	3,469.35	6	3,139.45	6	2,809.56	6	2,479.66	6	2,149.76	6	1,819.78
1/4		1/4	4,407.30	1/4	4,107.52	1/4	3,791.27	1/4	3,462.47	1/4	3,132.58	1/4	2,802.69	1/4	2,472.79	1/4	2,142.89	1/4	1,812.91
1/2		1/2	4,401.21	1/2	4,101.12	1/2	3,784.51	1/2	3,455.60	1/2	3,125.71	1/2	2,795.81	1/2	2,465.91	1/2	2,136.01	1/2	1,806.03
3/4		3/4	4,395.13	3/4	4,094.72	3/4	3,777.76	3/4	3,448.73	3/4	3,118.83	3/4	2,788.94	3/4	2,459.04	3/4	2,129.14	3/4	1,799.16
7		7	4,389.01	7	4,088.29	7	3,770.98	7	3,441.86	7	3,111.96	7	2,782.07	7	2,452.17	7	2,122.27	7	1,792.28
1/4		1/4	4,382.90	1/4	4,081.86	1/4	3,764.19	1/4	3,434.98	1/4	3,105.09	1/4	2,775.19	1/4	2,445.29	1/4	2,115.40	1/4	1,785.41
1/2		1/2	4,376.78	1/2	4,075.43	1/2	3,757.41	1/2	3,428.11	1/2	3,098.22	1/2	2,768.32	1/2	2,438.42	1/2	2,108.52	1/2	1,778.53
3/4		3/4	4,370.67	3/4	4,069.00	3/4	3,750.63	3/4	3,421.24	3/4	3,091.34	3/4	2,761.45	3/4	2,431.55	3/4	2,101.65	3/4	1,771.66
8		8	4,364.53	8	4,062.55	8	3,743.82	8	3,414.37	8	3,084.47	8	2,754.58	8	2,424.68	8	2,094.78	8	1,764.78
1/4		1/4	4,358.38	1/4	4,056.10	1/4	3,737.02	1/4	3,407.49	1/4	3,077.60	1/4	2,747.70	1/4	2,417.80	1/4	2,087.90	1/4	1,757.91
1/2		1/2	4,352.24	1/2	4,049.64	1/2	3,730.21	1/2	3,400.62	1/2	3,070.73	1/2	2,740.83	1/2	2,410.93	1/2	2,081.03	1/2	1,751.03
3/4		3/4	4,346.10	3/4	4,043.19	3/4	3,723.40	3/4	3,393.75	3/4	3,063.85	3/4	2,733.96	3/4	2,404.06	3/4	2,074.16	3/4	1,744.15
9		9	4,339.94	9	4,036.69	9	3,716.57	9	3,386.87	9	3,056.98	9	2,727.08	9	2,397.18	9	2,067.29	9	1,737.28
1/4		1/4	4,333.77	1/4	4,030.19	1/4	3,709.73	1/4	3,380.00	1/4	3,050.11	1/4	2,720.21	1/4	2,390.31	1/4	2,060.41	1/4	1,730.40
1/2		1/2	4,327.60	1/2	4,023.69	1/2	3,702.90	1/2	3,373.13	1/2	3,043.23	1/2	2,713.34	1/2	2,383.44	1/2	2,053.54	1/2	1,723.53
3/4		3/4	4,321.43	3/4	4,017.18	3/4	3,696.07	3/4	3,366.26	3/4	3,036.36	3/4	2,706.46	3/4	2,376.57	3/4	2,046.67	3/4	1,716.65
10		10	4,315.24	10	4,010.64	10	3,689.21	10	3,359.38	10	3,029.49	10	2,699.59	10	2,369.69	10	2,039.79	10	1,709.78
1/4		1/4	4,309.05	1/4	4,004.09	1/4	3,682.35	1/4	3,352.51	1/4	3,022.62	1/4	2,692.72	1/4	2,362.82	1/4	2,032.92	1/4	1,702.90
1/2		1/2	4,302.85	1/2	3,997.55	1/2	3,675.50	1/2	3,345.64	1/2	3,015.74	1/2	2,685.85	1/2	2,355.95	1/2	2,026.05	1/2	1,696.03
3/4		3/4	4,296.66	3/4	3,991.00	3/4	3,668.64	3/4	3,338.76	3/4	3,008.87	3/4	2,678.97	3/4	2,349.07	3/4	2,019.17	3/4	1,689.15
11		11	4,290.44	11	3,984.43	11	3,661.77	11	3,331.89	11	3,002.00	11	2,672.10	11	2,342.20	11	2,012.30	11	1,682.27
1/4		1/4	4,284.22	1/4	3,977.85	1/4	3,654.90	1/4	3,325.02	1/4	2,995.12	1/4	2,665.23	1/4	2,335.33	1/4	2,005.42	1/4	1,675.40
1/2		1/2	4,278.00	1/2	3,971.28	1/2	3,648.04	1/2	3,318.15	1/2	2,988.25	1/2	2,658.35	1/2	2,328.46	1/2	1,998.55	1/2	1,668.52
3/4		3/4	4,568.73	3/4	4,271.78	3/4	3,964.71	3/4	3,641.17	3/4	3,311.27	3/4	2,981.38	3/4	2,651.48	3/4	2,321.58	3/4	1,661.65

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 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 529"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	1,654.77	0	1,324.75	0	995.24	0	681.81	0	390.63	0	121.42	0		0		0		0	
1/4	1,647.90	1/4	1,317.87	1/4	988.48	1/4	675.53	1/4	384.79	1/4	116.06	1/4		1/4		1/4		1/4	
1/2	1,641.02	1/2	1,311.00	1/2	981.73	1/2	669.24	1/2	378.96	1/2	110.69	1/2		1/2		1/2		1/2	
3/4	1,634.15	3/4	1,304.12	3/4	974.97	3/4	662.96	3/4	373.12	3/4	105.33	3/4		3/4		3/4		3/4	
1	1,627.27	1	1,297.25	1	968.26	1	656.71	1	367.33	1	100.00	1		1		1		1	
1/4	1,620.40	1/4	1,290.37	1/4	961.54	1/4	650.47	1/4	361.53	1/4	94.68	1/4		1/4		1/4		1/4	
1/2	1,613.52	1/2	1,283.50	1/2	954.82	1/2	644.22	1/2	355.73	1/2	89.35	1/2		1/2		1/2		1/2	
3/4	1,606.64	3/4	1,276.62	3/4	948.11	3/4	637.98	3/4	349.94	3/4	84.03	3/4		3/4		3/4		3/4	
2	1,599.77	2	1,269.74	2	941.43	2	631.77	2	344.18	2	78.74	2		2		2		2	
1/4	1,592.89	1/4	1,262.87	1/4	934.75	1/4	625.57	1/4	338.43	1/4	73.46	1/4		1/4		1/4		1/4	
1/2	1,586.02	1/2	1,255.99	1/2	928.07	1/2	619.36	1/2	332.67	1/2	68.17	1/2		1/2		1/2		1/2	
3/4	1,579.14	3/4	1,249.12	3/4	921.40	3/4	613.15	3/4	326.92	3/4	62.89	3/4		3/4		3/4		3/4	
3	1,572.27	3	1,242.24	3	914.76	3	606.99	3	321.20	3	57.64	3		3		3		3	
1/4	1,565.39	1/4	1,235.37	1/4	908.12	1/4	600.82	1/4	315.49	1/4	52.39	1/4		1/4		1/4		1/4	
1/2	1,558.52	1/2	1,228.49	1/2	901.48	1/2	594.65	1/2	309.78	1/2	47.15	1/2		1/2		1/2		1/2	
3/4	1,551.64	3/4	1,221.62	3/4	894.84	3/4	588.49	3/4	304.07	3/4	41.90	3/4		3/4		3/4		3/4	
4	1,544.76	4	1,214.74	4	888.24	4	582.36	4	298.39	4	37.27	4		4		4		4	
1/4	1,537.89	1/4	1,207.87	1/4	881.64	1/4	576.24	1/4	292.72	1/4	32.63	1/4		1/4		1/4		1/4	
1/2	1,531.01	1/2	1,200.99	1/2	875.04	1/2	570.11	1/2	287.04	1/2	28.00	1/2		1/2		1/2		1/2	
3/4	1,524.14	3/4	1,194.11	3/4	868.45	3/4	563.98	3/4	281.37	3/4	23.37	3/4		3/4		3/4		3/4	
5	1,517.26	5	1,187.24	5	861.89	5	557.90	5	275.73	5	20.05	5		5		5		5	
1/4	1,510.39	1/4	1,180.36	1/4	855.33	1/4	551.81	1/4	270.10	1/4	16.74	1/4		1/4		1/4		1/4	
1/2	1,503.51	1/2	1,173.49	1/2	848.77	1/2	545.73	1/2	264.46	1/2	13.43	1/2		1/2		1/2		1/2	
3/4	1,496.64	3/4	1,166.61	3/4	842.21	3/4	539.64	3/4	258.82	3/4	10.12	3/4		3/4		3/4		3/4	
6	1,489.76	6	1,159.74	6	835.69	6	533.59	6	253.22	6		6		6		6		6	
1/4	1,482.89	1/4	1,152.86	1/4	829.17	1/4	527.55	1/4	247.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,476.01	1/2	1,145.99	1/2	822.64	1/2	521.50	1/2	242.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,469.13	3/4	1,139.11	3/4	816.12	3/4	515.45	3/4	236.42	3/4		3/4		3/4		3/4		3/4	
7	1,462.26	7	1,132.23	7	809.64	7	509.43	7	230.86	7		7		7		7		7	
1/4	1,455.38	1/4	1,125.36	1/4	803.16	1/4	503.42	1/4	225.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,448.51	1/2	1,118.48	1/2	796.68	1/2	497.40	1/2	219.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,441.63	3/4	1,111.61	3/4	790.20	3/4	491.38	3/4	214.18	3/4		3/4		3/4		3/4		3/4	
8	1,434.76	8	1,104.73	8	783.76	8	485.39	8	208.66	8		8		8		8		8	
1/4	1,427.88	1/4	1,097.86	1/4	777.32	1/4	479.40	1/4	203.14	1/4		1/4		1/4		1/4		1/4	
1/2	1,421.01	1/2	1,090.98	1/2	770.87	1/2	473.41	1/2	197.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,414.13	3/4	1,084.11	3/4	764.43	3/4	467.43	3/4	192.10	3/4		3/4		3/4		3/4		3/4	
9	1,407.25	9	1,077.24	9	758.03	9	461.47	9	186.61	9		9		9		9		9	
1/4	1,400.38	1/4	1,070.37	1/4	751.63	1/4	455.52	1/4	181.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,393.50	1/2	1,063.49	1/2	745.22	1/2	449.57	1/2	175.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,386.63	3/4	1,056.62	3/4	738.82	3/4	443.61	3/4	170.17	3/4		3/4		3/4		3/4		3/4	
10	1,379.75	10	1,049.77	10	732.46	10	437.70	10	164.73	10		10		10		10		10	
1/4	1,372.88	1/4	1,042.92	1/4	726.10	1/4	431.79	1/4	159.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,366.00	1/2	1,036.07	1/2	719.74	1/2	425.87	1/2	153.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,359.13	3/4	1,029.22	3/4	713.38	3/4	419.96	3/4	148.40	3/4		3/4		3/4		3/4		3/4	
11	1,352.25	11	1,022.41	11	707.06	11	414.08	11	143.00	11		11		11		11		11	
1/4	1,345.38	1/4	1,015.61	1/4	700.74	1/4	408.21	1/4	137.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,338.50	1/2	1,008.80	1/2	694.42	1/2	402.34	1/2	132.19	1/2		1/2		1/2		1/2		1/2	
3/4	1,331.62	3/4	1,002.00	3/4	688.10	3/4	396.46	3/4	126.79	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2023 JS
CALCULATED: 03/27/2023 CL
PRINTED: 03/27/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "EMS 529"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0	5,551.12	0	5,199.94	0	4,838.17	0	4,457.09	0	4,068.86	0	3,680.64	0	3,292.41	0	2,904.18	0	2,515.91		
1/4		1/4	5,545.51	1/4	5,192.59	1/4	4,830.40	1/4	4,449.00	1/4	4,060.78	1/4	3,672.55	1/4	3,284.32	1/4	2,896.09	1/4	2,507.82		
1/2		1/2	5,539.90	1/2	5,185.24	1/2	4,822.64	1/2	4,440.91	1/2	4,052.69	1/2	3,664.46	1/2	3,276.23	1/2	2,888.00	1/2	2,499.73		
3/4		3/4	5,534.28	3/4	5,177.90	3/4	4,814.87	3/4	4,432.82	3/4	4,044.60	3/4	3,656.38	3/4	3,268.14	3/4	2,879.91	3/4	2,491.64		
1		1	5,527.15	1	5,170.52	1	4,807.08	1	4,424.74	1	4,036.51	1	3,648.29	1	3,260.05	1	2,871.82	1	2,483.55		
1/4		1/4	5,520.02	1/4	5,163.13	1/4	4,799.28	1/4	4,416.65	1/4	4,028.42	1/4	3,640.20	1/4	3,251.96	1/4	2,863.74	1/4	2,475.46		
1/2		1/2	5,512.89	1/2	5,155.75	1/2	4,791.49	1/2	4,408.56	1/2	4,020.34	1/2	3,632.11	1/2	3,243.88	1/2	2,855.65	1/2	2,467.37		
3/4		3/4	5,505.76	3/4	5,148.37	3/4	4,783.69	3/4	4,400.47	3/4	4,012.25	3/4	3,624.02	3/4	3,235.79	3/4	2,847.56	3/4	2,459.27		
2		2	5,497.82	2	5,140.96	2	4,775.86	2	4,392.38	2	4,004.16	2	3,615.93	2	3,227.70	2	2,839.47	2	2,451.18		
1/4		1/4	5,489.87	1/4	5,133.55	1/4	4,768.04	1/4	4,384.30	1/4	3,996.07	1/4	3,607.84	1/4	3,219.61	1/4	2,831.38	1/4	2,443.09		
1/2		1/2	5,481.93	1/2	5,126.14	1/2	4,760.21	1/2	4,376.21	1/2	3,987.98	1/2	3,599.75	1/2	3,211.52	1/2	2,823.30	1/2	2,435.00		
3/4		3/4	5,473.99	3/4	5,118.73	3/4	4,752.38	3/4	4,368.12	3/4	3,979.90	3/4	3,591.66	3/4	3,203.44	3/4	2,815.21	3/4	2,426.91		
3		3	5,465.95	3	5,111.29	3	4,744.52	3	4,354.03	3	3,971.81	3	3,583.58	3	3,195.35	3	2,807.12	3	2,418.82		
1/4		1/4	5,457.91	1/4	5,103.85	1/4	4,736.67	1/4	4,351.94	1/4	3,963.72	1/4	3,575.49	1/4	3,187.26	1/4	2,799.03	1/4	2,410.73		
1/2		1/2	5,449.87	1/2	5,096.41	1/2	4,728.81	1/2	4,343.86	1/2	3,955.63	1/2	3,567.40	1/2	3,179.17	1/2	2,790.94	1/2	2,402.64		
3/4		3/4	5,441.83	3/4	5,088.96	3/4	4,720.95	3/4	4,335.77	3/4	3,947.54	3/4	3,559.31	3/4	3,171.08	3/4	2,782.85	3/4	2,394.54		
4		4	5,434.02	4	5,081.49	4	4,713.06	4	4,327.68	4	3,939.46	4	3,551.22	4	3,163.00	4	2,774.77	4	2,386.45		
1/4		1/4	5,426.20	1/4	5,074.02	1/4	4,705.17	1/4	4,319.59	1/4	3,931.37	1/4	3,543.14	1/4	3,154.91	1/4	2,766.68	1/4	2,378.36		
1/2		1/2	5,418.39	1/2	5,066.55	1/2	4,697.29	1/2	4,311.50	1/2	3,923.28	1/2	3,535.05	1/2	3,146.82	1/2	2,758.59	1/2	2,370.27		
3/4		3/4	5,410.57	3/4	5,059.07	3/4	4,689.40	3/4	4,303.42	3/4	3,915.19	3/4	3,526.96	3/4	3,138.73	3/4	2,750.50	3/4	2,362.18		
5		5	5,403.20	5	5,051.57	5	4,681.48	5	4,295.33	5	3,907.10	5	3,518.87	5	3,130.64	5	2,742.41	5	2,354.09		
1/4		1/4	5,395.84	1/4	5,044.07	1/4	4,673.56	1/4	4,287.24	1/4	3,899.02	1/4	3,510.78	1/4	3,122.56	1/4	2,734.33	1/4	2,346.00		
1/2		1/2	5,388.47	1/2	5,036.57	1/2	4,665.64	1/2	4,279.15	1/2	3,890.93	1/2	3,502.70	1/2	3,114.47	1/2	2,726.24	1/2	2,337.91		
3/4		3/4	5,381.10	3/4	5,029.06	3/4	4,657.72	3/4	4,271.06	3/4	3,882.84	3/4	3,494.61	3/4	3,106.38	3/4	2,718.15	3/4	2,329.81		
6		6	5,373.93	6	5,021.53	6	4,649.77	6	4,262.98	6	3,874.75	6	3,486.52	6	3,098.29	6	2,710.06	6	2,321.72		
1/4		1/4	5,366.77	1/4	5,013.99	1/4	4,641.82	1/4	4,254.89	1/4	3,866.66	1/4	3,478.43	1/4	3,090.20	1/4	2,701.97	1/4	2,313.63		
1/2		1/2	5,359.60	1/2	5,006.46	1/2	4,633.87	1/2	4,246.80	1/2	3,858.58	1/2	3,470.34	1/2	3,082.11	1/2	2,693.89	1/2	2,305.54		
3/4		3/4	5,352.44	3/4	4,998.93	3/4	4,625.92	3/4	4,238.71	3/4	3,850.49	3/4	3,462.26	3/4	3,074.03	3/4	2,685.80	3/4	2,297.45		
7		7	5,345.24	7	4,991.36	7	4,617.94	7	4,230.62	7	3,842.40	7	3,454.17	7	3,065.94	7	2,677.71	7	2,289.36		
1/4		1/4	5,338.05	1/4	4,983.80	1/4	4,609.96	1/4	4,222.54	1/4	3,834.31	1/4	3,446.08	1/4	3,057.85	1/4	2,669.62	1/4	2,281.27		
1/2		1/2	5,330.85	1/2	4,976.23	1/2	4,601.98	1/2	4,214.45	1/2	3,826.22	1/2	3,437.99	1/2	3,049.76	1/2	2,661.53	1/2	2,273.18		
3/4		3/4	5,323.65	3/4	4,968.67	3/4	4,594.00	3/4	4,206.36	3/4	3,818.14	3/4	3,429.90	3/4	3,041.67	3/4	2,653.45	3/4	2,265.09		
8		8	5,316.43	8	4,961.07	8	4,585.99	8	4,198.27	8	3,810.05	8	3,421.81	8	3,033.59	8	2,645.36	8	2,256.99		
1/4		1/4	5,309.20	1/4	4,953.48	1/4	4,577.98	1/4	4,190.18	1/4	3,801.96	1/4	3,413.73	1/4	3,025.50	1/4	2,637.27	1/4	2,248.90		
1/2		1/2	5,301.98	1/2	4,945.88	1/2	4,569.97	1/2	4,182.10	1/2	3,793.87	1/2	3,405.64	1/2	3,017.41	1/2	2,629.18	1/2	2,240.81		
3/4		3/4	5,294.75	3/4	4,938.29	3/4	4,561.96	3/4	4,174.01	3/4	3,785.78	3/4	3,397.55	3/4	3,009.32	3/4	2,621.09	3/4	2,232.72		
9		9	5,287.49	9	4,930.64	9	4,553.91	9	4,165.92	9	3,777.70	9	3,389.46	9	3,001.23	9	2,613.00	9	2,224.63		
1/4		1/4	5,280.23	1/4	4,922.99	1/4	4,545.87	1/4	4,157.83	1/4	3,769.61	1/4	3,381.37	1/4	2,993.15	1/4	2,604.92	1/4	2,216.54		
1/2		1/2	5,272.98	1/2	4,915.34	1/2	4,537.83	1/2	4,149.74	1/2	3,761.52	1/2	3,373.29	1/2	2,985.06	1/2	2,596.83	1/2	2,208.45		
3/4		3/4	5,265.72	3/4	4,907.69	3/4	4,529.79	3/4	4,141.66	3/4	3,753.43	3/4	3,365.20	3/4	2,976.97	3/4	2,588.74	3/4	2,200.36		
10		10	5,258.43	10	4,899.99	10	4,521.72	10	4,133.57	10	3,745.34	10	3,357.11	10	2,968.88	10	2,580.65	10	2,192.26		
1/4		1/4	5,251.14	1/4	4,892.28	1/4	4,513.65	1/4	4,125.48	1/4	3,737.26	1/4	3,349.02	1/4	2,960.79	1/4	2,572.55	1/4	2,184.17		
1/2		1/2	5,243.86	1/2	4,884.58	1/2	4,505.58	1/2	4,117.39	1/2	3,729.17	1/2	3,340.93	1/2	2,952.71	1/2	2,564.46	1/2	2,176.08		
3/4		3/4	5,236.57	3/4	4,876.87	3/4	4,497.51	3/4	4,109.30	3/4	3,721.08	3/4	3,332.85	3/4	2,944.62	3/4	2,556.37	3/4	2,167.99		
11		11	5,229.25	11	4,869.14	11	4,489.43	11	4,101.22	11	3,712.99	11	3,324.76	11	2,936.53	11	2,548.28	11	2,159.90		
1/4		1/4	5,221.93	1/4	4,861.40	1/4	4,481.34	1/4	4,093.13	1/4	3,704.90	1/4	3,316.67	1/4	2,928.44	1/4	2,540.19	1/4	2,151.81		
1/2		1/2	5,214.61	1/2	4,853.67	1/2	4,473.26	1/2	4,085.04	1/2	3,696.82	1/2	3,308.58	1/2	2,920.35	1/2	2,532.09	1/2	2,143.72		
3/4		3/4	5,556.74	3/4	5,207.29	3/4	4,845.93	3/4	4,465.18	3/4	4,076.95	3/4	3,688.73	3/4	3,300.49	3/4	2,912.26	3/4	2,524.00	3/4	2,135.63

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 41'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 529"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	2,127.53	0	1,739.16	0	1,350.78	0	962.49	0	574.80	0	186.46	0		0		0		0	
1/4	2,119.44	1/4	1,731.07	1/4	1,342.69	1/4	954.42	1/4	566.70	1/4	178.37	1/4		1/4		1/4		1/4	
1/2	2,111.35	1/2	1,722.97	1/2	1,334.60	1/2	946.36	1/2	558.61	1/2	170.28	1/2		1/2		1/2		1/2	
3/4	2,103.26	3/4	1,714.88	3/4	1,326.51	3/4	938.29	3/4	550.52	3/4	162.19	3/4		3/4		3/4		3/4	
1	2,095.17	1	1,706.79	1	1,318.41	1	930.22	1	542.43	1	154.10	1		1		1		1	
1/4	2,087.08	1/4	1,698.70	1/4	1,310.32	1/4	922.15	1/4	534.34	1/4	146.01	1/4		1/4		1/4		1/4	
1/2	2,078.99	1/2	1,690.61	1/2	1,302.23	1/2	914.08	1/2	526.25	1/2	137.92	1/2		1/2		1/2		1/2	
3/4	2,070.90	3/4	1,682.52	3/4	1,294.14	3/4	906.01	3/4	518.16	3/4	129.82	3/4		3/4		3/4		3/4	
2	2,062.81	2	1,674.43	2	1,286.05	2	897.94	2	510.07	2	121.73	2		2		2		2	
1/4	2,054.71	1/4	1,666.34	1/4	1,277.96	1/4	889.87	1/4	501.98	1/4	113.64	1/4		1/4		1/4		1/4	
1/2	2,046.62	1/2	1,658.25	1/2	1,269.87	1/2	881.80	1/2	493.89	1/2	105.55	1/2		1/2		1/2		1/2	
3/4	2,038.53	3/4	1,650.15	3/4	1,261.78	3/4	873.73	3/4	485.80	3/4	97.46	3/4		3/4		3/4		3/4	
3	2,030.44	3	1,642.06	3	1,253.69	3	865.66	3	477.71	3	89.37	3		3		3		3	
1/4	2,022.35	1/4	1,633.97	1/4	1,245.59	1/4	857.59	1/4	469.62	1/4	81.28	1/4		1/4		1/4		1/4	
1/2	2,014.26	1/2	1,625.88	1/2	1,237.50	1/2	849.52	1/2	461.54	1/2	73.19	1/2		1/2		1/2		1/2	
3/4	2,006.17	3/4	1,617.79	3/4	1,229.41	3/4	841.45	3/4	453.45	3/4	65.10	3/4		3/4		3/4		3/4	
4	1,998.08	4	1,609.70	4	1,221.32	4	833.38	4	445.36	4	57.68	4		4		4		4	
1/4	1,989.98	1/4	1,601.61	1/4	1,213.23	1/4	825.32	1/4	437.28	1/4	50.26	1/4		1/4		1/4		1/4	
1/2	1,981.89	1/2	1,593.52	1/2	1,205.14	1/2	817.25	1/2	429.19	1/2	42.84	1/2		1/2		1/2		1/2	
3/4	1,973.80	3/4	1,585.42	3/4	1,197.05	3/4	809.18	3/4	421.10	3/4	35.43	3/4		3/4		3/4		3/4	
5	1,965.71	5	1,577.33	5	1,188.96	5	801.11	5	413.01	5	30.03	5		5		5		5	
1/4	1,957.62	1/4	1,569.24	1/4	1,180.86	1/4	793.05	1/4	404.92	1/4	24.64	1/4		1/4		1/4		1/4	
1/2	1,949.53	1/2	1,561.15	1/2	1,172.77	1/2	784.98	1/2	396.83	1/2	19.25	1/2		1/2		1/2		1/2	
3/4	1,941.44	3/4	1,553.06	3/4	1,164.68	3/4	776.91	3/4	388.74	3/4	13.85	3/4		3/4		3/4		3/4	
6	1,933.35	6	1,544.97	6	1,156.59	6	768.85	6	380.65	6		6		6		6		6	
1/4	1,925.25	1/4	1,536.88	1/4	1,148.50	1/4	760.78	1/4	372.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,917.16	1/2	1,528.79	1/2	1,140.41	1/2	752.71	1/2	364.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,909.07	3/4	1,520.69	3/4	1,132.32	3/4	744.64	3/4	356.38	3/4		3/4		3/4		3/4		3/4	
7	1,900.98	7	1,512.60	7	1,124.23	7	736.57	7	348.29	7		7		7		7		7	
1/4	1,892.89	1/4	1,504.51	1/4	1,116.13	1/4	728.49	1/4	340.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,884.80	1/2	1,496.42	1/2	1,108.04	1/2	720.41	1/2	332.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,876.71	3/4	1,488.33	3/4	1,099.95	3/4	712.33	3/4	324.01	3/4		3/4		3/4		3/4		3/4	
8	1,868.62	8	1,480.24	8	1,091.86	8	704.25	8	315.92	8		8		8		8		8	
1/4	1,860.53	1/4	1,472.15	1/4	1,083.77	1/4	696.16	1/4	307.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,852.43	1/2	1,464.06	1/2	1,075.68	1/2	688.07	1/2	299.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,844.34	3/4	1,455.97	3/4	1,067.59	3/4	679.98	3/4	291.65	3/4		3/4		3/4		3/4		3/4	
9	1,836.25	9	1,447.87	9	1,059.50	9	671.89	9	283.56	9		9		9		9		9	
1/4	1,828.16	1/4	1,439.78	1/4	1,051.41	1/4	663.80	1/4	275.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,820.07	1/2	1,431.69	1/2	1,043.31	1/2	655.71	1/2	267.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,811.98	3/4	1,423.60	3/4	1,035.22	3/4	647.62	3/4	259.28	3/4		3/4		3/4		3/4		3/4	
10	1,803.89	10	1,415.51	10	1,027.13	10	639.53	10	251.19	10		10		10		10		10	
1/4	1,795.80	1/4	1,407.42	1/4	1,019.05	1/4	631.43	1/4	243.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,787.70	1/2	1,399.33	1/2	1,010.96	1/2	623.34	1/2	235.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,779.61	3/4	1,391.24	3/4	1,002.87	3/4	615.25	3/4	226.92	3/4		3/4		3/4		3/4		3/4	
11	1,771.52	11	1,383.14	11	994.79	11	607.16	11	218.83	11		11		11		11		11	
1/4	1,763.43	1/4	1,375.05	1/4	986.72	1/4	599.07	1/4	210.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,755.34	1/2	1,366.96	1/2	978.64	1/2	590.98	1/2	202.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,747.25	3/4	1,358.87	3/4	970.56	3/4	582.89	3/4	194.55	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/27/2023 JS
CALCULATED: 03/27/2023 CL
PRINTED: 03/27/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "EMS 529"

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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	5,515.06	0	5,166.62	0	4,806.28	0	4,426.61	0	4,039.51	0	3,652.41	0	3,265.30	0	2,878.19	0	2,491.06
1/4		1/4	5,509.47	1/4	5,159.29	1/4	4,798.54	1/4	4,418.55	1/4	4,031.45	1/4	3,644.35	1/4	3,257.23	1/4	2,870.13	1/4	2,482.99
1/2		1/2	5,503.87	1/2	5,151.96	1/2	4,790.79	1/2	4,410.48	1/2	4,023.38	1/2	3,636.28	1/2	3,249.17	1/2	2,862.06	1/2	2,474.92
3/4		3/4	5,498.27	3/4	5,144.63	3/4	4,783.05	3/4	4,402.42	3/4	4,015.32	3/4	3,628.22	3/4	3,241.10	3/4	2,854.00	3/4	2,466.85
1		1	5,492.67	1	5,137.30	1	4,775.31	1	4,394.35	1	4,007.25	1	3,620.15	1	3,233.04	1	2,845.93	1	2,458.79
1/4		1/4	5,485.56	1/4	5,129.94	1/4	4,767.53	1/4	4,386.29	1/4	3,999.19	1/4	3,612.09	1/4	3,224.97	1/4	2,837.87	1/4	2,450.72
1/2		1/2	5,478.45	1/2	5,122.58	1/2	4,759.76	1/2	4,378.22	1/2	3,991.12	1/2	3,604.02	1/2	3,216.91	1/2	2,829.80	1/2	2,442.65
3/4		3/4	5,471.34	3/4	5,115.22	3/4	4,751.98	3/4	4,370.16	3/4	3,983.06	3/4	3,595.95	3/4	3,208.84	3/4	2,821.74	3/4	2,434.58
2		2	5,464.23	2	5,107.86	2	4,744.21	2	4,362.09	2	3,974.99	2	3,587.89	2	3,200.78	2	2,813.67	2	2,426.51
1/4		1/4	5,456.32	1/4	5,100.47	1/4	4,736.41	1/4	4,354.03	1/4	3,966.93	1/4	3,579.82	1/4	3,192.72	1/4	2,805.61	1/4	2,418.45
1/2		1/2	5,448.40	1/2	5,093.08	1/2	4,728.60	1/2	4,345.97	1/2	3,958.86	1/2	3,571.76	1/2	3,184.65	1/2	2,797.55	1/2	2,410.38
3/4		3/4	5,440.48	3/4	5,085.69	3/4	4,720.80	3/4	4,337.90	3/4	3,950.80	3/4	3,563.69	3/4	3,176.59	3/4	2,789.48	3/4	2,402.31
3		3	5,432.57	3	5,078.30	3	4,712.99	3	4,329.84	3	3,942.74	3	3,555.63	3	3,168.52	3	2,781.42	3	2,394.24
1/4		1/4	5,424.55	1/4	5,070.88	1/4	4,705.16	1/4	4,321.77	1/4	3,934.67	1/4	3,547.56	1/4	3,160.46	1/4	2,773.35	1/4	2,386.18
1/2		1/2	5,416.53	1/2	5,063.46	1/2	4,697.32	1/2	4,313.71	1/2	3,926.61	1/2	3,539.50	1/2	3,152.39	1/2	2,765.29	1/2	2,378.11
3/4		3/4	5,408.51	3/4	5,056.04	3/4	4,689.49	3/4	4,305.64	3/4	3,918.54	3/4	3,531.43	3/4	3,144.33	3/4	2,757.22	3/4	2,370.04
4		4	5,400.50	4	5,048.62	4	4,681.65	4	4,297.58	4	3,910.48	4	3,523.37	4	3,136.26	4	2,749.16	4	2,361.97
1/4		1/4	5,392.70	1/4	5,041.17	1/4	4,673.79	1/4	4,289.51	1/4	3,902.41	1/4	3,515.30	1/4	3,128.20	1/4	2,741.09	1/4	2,353.90
1/2		1/2	5,384.91	1/2	5,033.72	1/2	4,665.92	1/2	4,281.45	1/2	3,894.35	1/2	3,507.24	1/2	3,120.13	1/2	2,733.03	1/2	2,345.84
3/4		3/4	5,377.12	3/4	5,026.26	3/4	4,658.06	3/4	4,273.38	3/4	3,886.28	3/4	3,499.17	3/4	3,112.07	3/4	2,724.96	3/4	2,337.77
5		5	5,369.33	5	5,018.81	5	4,650.19	5	4,265.32	5	3,878.22	5	3,491.11	5	3,104.00	5	2,716.90	5	2,329.70
1/4		1/4	5,361.98	1/4	5,011.33	1/4	4,642.29	1/4	4,257.26	1/4	3,870.15	1/4	3,483.04	1/4	3,095.94	1/4	2,708.83	1/4	2,321.63
1/2		1/2	5,354.63	1/2	5,003.85	1/2	4,634.40	1/2	4,249.19	1/2	3,862.09	1/2	3,474.98	1/2	3,087.87	1/2	2,700.77	1/2	2,313.57
3/4		3/4	5,347.28	3/4	4,996.37	3/4	4,626.50	3/4	4,241.13	3/4	3,854.03	3/4	3,466.92	3/4	3,079.81	3/4	2,692.70	3/4	2,305.50
6		6	5,339.94	6	4,988.89	6	4,618.61	6	4,233.06	6	3,845.96	6	3,458.85	6	3,071.74	6	2,684.64	6	2,297.43
1/4		1/4	5,332.79	1/4	4,981.37	1/4	4,610.68	1/4	4,225.00	1/4	3,837.90	1/4	3,450.79	1/4	3,063.68	1/4	2,676.57	1/4	2,289.36
1/2		1/2	5,325.65	1/2	4,973.86	1/2	4,602.75	1/2	4,216.93	1/2	3,829.83	1/2	3,442.72	1/2	3,055.62	1/2	2,668.51	1/2	2,281.29
3/4		3/4	5,318.50	3/4	4,966.35	3/4	4,594.82	3/4	4,208.87	3/4	3,821.77	3/4	3,434.66	3/4	3,047.55	3/4	2,660.45	3/4	2,273.23
7		7	5,311.36	7	4,958.84	7	4,586.90	7	4,200.80	7	3,813.70	7	3,426.59	7	3,039.49	7	2,652.38	7	2,265.16
1/4		1/4	5,304.18	1/4	4,951.29	1/4	4,578.94	1/4	4,192.74	1/4	3,805.64	1/4	3,418.53	1/4	3,031.42	1/4	2,644.32	1/4	2,257.09
1/2		1/2	5,297.00	1/2	4,943.75	1/2	4,570.98	1/2	4,184.67	1/2	3,797.57	1/2	3,410.46	1/2	3,023.36	1/2	2,636.25	1/2	2,249.02
3/4		3/4	5,289.83	3/4	4,936.21	3/4	4,563.02	3/4	4,176.61	3/4	3,789.51	3/4	3,402.40	3/4	3,015.29	3/4	2,628.19	3/4	2,240.96
8		8	5,282.65	8	4,928.66	8	4,555.07	8	4,168.54	8	3,781.44	8	3,394.33	8	3,007.23	8	2,620.12	8	2,232.89
1/4		1/4	5,275.45	1/4	4,921.09	1/4	4,547.08	1/4	4,160.48	1/4	3,773.38	1/4	3,386.27	1/4	2,999.16	1/4	2,612.06	1/4	2,224.82
1/2		1/2	5,268.24	1/2	4,913.52	1/2	4,539.09	1/2	4,152.42	1/2	3,765.31	1/2	3,378.20	1/2	2,991.10	1/2	2,603.99	1/2	2,216.75
3/4		3/4	5,261.03	3/4	4,905.94	3/4	4,531.10	3/4	4,144.35	3/4	3,757.25	3/4	3,370.14	3/4	2,983.03	3/4	2,595.93	3/4	2,208.68
9		9	5,253.83	9	4,898.37	9	4,523.11	9	4,136.29	9	3,749.19	9	3,362.07	9	2,974.97	9	2,587.86	9	2,200.62
1/4		1/4	5,246.59	1/4	4,890.74	1/4	4,515.10	1/4	4,128.22	1/4	3,741.12	1/4	3,354.01	1/4	2,966.90	1/4	2,579.80	1/4	2,192.55
1/2		1/2	5,239.35	1/2	4,883.11	1/2	4,507.08	1/2	4,120.16	1/2	3,733.06	1/2	3,345.94	1/2	2,958.84	1/2	2,571.73	1/2	2,184.48
3/4		3/4	5,232.12	3/4	4,875.48	3/4	4,499.06	3/4	4,112.09	3/4	3,724.99	3/4	3,337.88	3/4	2,950.77	3/4	2,563.67	3/4	2,176.41
10		10	5,224.88	10	4,867.86	10	4,491.04	10	4,104.03	10	3,716.93	10	3,329.82	10	2,942.71	10	2,555.60	10	2,168.35
1/4		1/4	5,217.61	1/4	4,860.17	1/4	4,482.99	1/4	4,095.96	1/4	3,708.86	1/4	3,321.75	1/4	2,934.64	1/4	2,547.54	1/4	2,160.28
1/2		1/2	5,210.34	1/2	4,852.49	1/2	4,474.95	1/2	4,087.90	1/2	3,700.80	1/2	3,313.69	1/2	2,926.58	1/2	2,539.47	1/2	2,152.21
3/4		3/4	5,203.08	3/4	4,844.81	3/4	4,466.90	3/4	4,079.83	3/4	3,692.73	3/4	3,305.62	3/4	2,918.52	3/4	2,531.40	3/4	2,144.14
11		11	5,195.81	11	4,837.13	11	4,458.86	11	4,071.77	11	3,684.67	11	3,297.56	11	2,910.45	11	2,523.33	11	2,136.07
1/4		1/4	5,188.51	1/4	4,829.42	1/4	4,450.80	1/4	4,063.70	1/4	3,676.60	1/4	3,289.49	1/4	2,902.39	1/4	2,515.26	1/4	2,128.01
1/2		1/2	5,181.21	1/2	4,821.70	1/2	4,442.73	1/2	4,055.64	1/2	3,668.54	1/2	3,281.43	1/2	2,894.32	1/2	2,507.19	1/2	2,119.94
3/4		3/4	5,173.91	3/4	4,813.99	3/4	4,434.67	3/4	4,047.58	3/4	3,660.47	3/4	3,273.36	3/4	2,886.26	3/4	2,499.13	3/4	2,111.87

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

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BARGE "EMS 529"

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	2,103.80	0	1,716.55	0	1,329.29	0	956.15	0	581.20	0	193.99	0		0		0		0	
1/4	2,095.74	1/4	1,708.48	1/4	1,321.38	1/4	948.41	1/4	573.13	1/4	185.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,087.67	1/2	1,700.41	1/2	1,313.46	1/2	940.67	1/2	565.07	1/2	177.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,079.60	3/4	1,692.35	3/4	1,305.55	3/4	932.93	3/4	557.00	3/4	169.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,071.53	1	1,684.28	1	1,297.63	1	925.19	1	548.93	1	161.72	1	1	1	1	1	1	1	1
1/4	2,063.46	1/4	1,676.21	1/4	1,289.87	1/4	917.45	1/4	540.86	1/4	153.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,055.40	1/2	1,668.14	1/2	1,282.11	1/2	909.71	1/2	532.79	1/2	145.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,047.33	3/4	1,660.07	3/4	1,274.35	3/4	901.97	3/4	524.73	3/4	137.52	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,039.26	2	1,652.01	2	1,266.58	2	894.23	2	516.66	2	129.45	2	2	2	2	2	2	2	2
1/4	2,031.19	1/4	1,643.94	1/4	1,258.82	1/4	886.49	1/4	508.59	1/4	121.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,023.12	1/2	1,635.87	1/2	1,251.06	1/2	878.75	1/2	500.53	1/2	113.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,015.06	3/4	1,627.80	3/4	1,243.30	3/4	871.01	3/4	492.46	3/4	105.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,006.99	3	1,619.73	3	1,235.53	3	863.26	3	484.39	3	97.18	3	3	3	3	3	3	3	3
1/4	1,998.92	1/4	1,611.67	1/4	1,227.77	1/4	855.52	1/4	476.33	1/4	89.11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,990.85	1/2	1,603.60	1/2	1,220.01	1/2	847.78	1/2	468.27	1/2	81.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,982.79	3/4	1,595.53	3/4	1,212.25	3/4	840.04	3/4	460.20	3/4	72.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,974.72	4	1,587.46	4	1,204.48	4	832.30	4	452.14	4	64.91	4	4	4	4	4	4	4	4
1/4	1,966.65	1/4	1,579.40	1/4	1,196.72	1/4	824.56	1/4	444.08	1/4	57.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,958.58	1/2	1,571.33	1/2	1,188.96	1/2	816.82	1/2	436.01	1/2	50.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,950.51	3/4	1,563.26	3/4	1,181.20	3/4	809.08	3/4	427.95	3/4	42.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,942.45	5	1,555.19	5	1,173.43	5	801.34	5	419.89	5	35.32	5	5	5	5	5	5	5	5
1/4	1,934.38	1/4	1,547.12	1/4	1,165.67	1/4	793.61	1/4	411.82	1/4	29.95	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,926.31	1/2	1,539.06	1/2	1,157.91	1/2	785.87	1/2	403.75	1/2	24.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,918.24	3/4	1,530.99	3/4	1,150.15	3/4	778.13	3/4	395.69	3/4	19.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,910.18	6	1,522.92	6	1,142.38	6	770.39	6	387.62	6	13.81	6	6	6	6	6	6	6	6
1/4	1,902.11	1/4	1,514.85	1/4	1,134.62	1/4	762.65	1/4	379.55	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,894.04	1/2	1,506.79	1/2	1,126.86	1/2	754.91	1/2	371.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,885.97	3/4	1,498.72	3/4	1,119.10	3/4	747.17	3/4	363.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,877.90	7	1,490.65	7	1,111.33	7	739.43	7	355.35	7		7	7	7	7	7	7	7	7
1/4	1,869.84	1/4	1,482.58	1/4	1,103.57	1/4	731.69	1/4	347.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,861.77	1/2	1,474.51	1/2	1,095.81	1/2	723.94	1/2	339.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,853.70	3/4	1,466.45	3/4	1,088.05	3/4	716.19	3/4	331.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,845.63	8	1,458.38	8	1,080.28	8	708.44	8	323.08	8		8	8	8	8	8	8	8	8
1/4	1,837.57	1/4	1,450.31	1/4	1,072.52	1/4	700.68	1/4	315.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,829.50	1/2	1,442.24	1/2	1,064.76	1/2	692.92	1/2	306.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,821.43	3/4	1,434.18	3/4	1,057.00	3/4	685.16	3/4	298.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,813.36	9	1,426.11	9	1,049.23	9	677.40	9	290.81	9		9	9	9	9	9	9	9	9
1/4	1,805.29	1/4	1,418.04	1/4	1,041.47	1/4	669.49	1/4	282.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,797.23	1/2	1,409.97	1/2	1,033.71	1/2	661.57	1/2	274.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,789.16	3/4	1,401.90	3/4	1,025.95	3/4	653.66	3/4	266.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,781.09	10	1,393.84	10	1,018.18	10	645.74	10	258.53	10		10	10	10	10	10	10	10	10
1/4	1,773.02	1/4	1,385.77	1/4	1,010.42	1/4	637.68	1/4	250.47	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,764.96	1/2	1,377.70	1/2	1,002.66	1/2	629.61	1/2	242.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,756.89	3/4	1,369.63	3/4	994.91	3/4	621.54	3/4	234.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,748.82	11	1,361.57	11	987.15	11	613.47	11	226.26	11		11	11	11	11	11	11	11	11
1/4	1,740.75	1/4	1,353.50	1/4	979.40	1/4	605.40	1/4	218.20	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,732.68	1/2	1,345.43	1/2	971.65	1/2	597.34	1/2	210.13	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,724.62	3/4	1,337.36	3/4	963.90	3/4	589.27	3/4	202.06	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: 03/27/2023 JS
CALCULATED: 03/27/2023 CL
PRINTED: 03/27/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023



BARGE "EMS 529"

3 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		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0		0	4,529.27	0	4,287.03	0	4,026.95	0	3,758.93	0	3,451.50	0	3,090.62	0	2,728.74	0	2,366.78		
1/4		1/4		1/4	4,524.40	1/4	4,281.77	1/4	4,021.37	1/4	3,753.34	1/4	3,444.07	1/4	3,083.08	1/4	2,721.20	1/4	2,359.23		
1/2		1/2		1/2	4,519.52	1/2	4,276.52	1/2	4,015.79	1/2	3,747.76	1/2	3,436.64	1/2	3,075.54	1/2	2,713.66	1/2	2,351.68		
3/4		3/4		3/4	4,744.77	3/4	4,514.64	3/4	4,271.26	3/4	4,010.21	3/4	3,742.17	3/4	3,429.21	3/4	3,068.00	3/4	2,706.12	3/4	2,344.13
1		1		1	4,741.55	1	4,509.74	1	4,265.98	1	4,004.62	1	3,736.59	1	3,421.78	1	3,060.46	1	2,698.58	1	2,336.58
1/4		1/4		1/4	4,738.33	1/4	4,504.83	1/4	4,260.70	1/4	3,999.04	1/4	3,731.01	1/4	3,414.35	1/4	3,052.92	1/4	2,691.05	1/4	2,329.04
1/2		1/2		1/2	4,735.11	1/2	4,499.92	1/2	4,255.42	1/2	3,993.45	1/2	3,725.42	1/2	3,406.93	1/2	3,045.38	1/2	2,683.51	1/2	2,321.49
3/4		3/4		3/4	4,731.89	3/4	4,495.02	3/4	4,250.13	3/4	3,987.87	3/4	3,719.84	3/4	3,399.50	3/4	3,037.84	3/4	2,675.97	3/4	2,313.94
2		2		2	4,727.25	2	4,490.08	2	4,244.82	2	3,982.29	2	3,714.25	2	3,392.01	2	3,030.30	2	2,668.43	2	2,306.39
1/4		1/4		1/4	4,722.62	1/4	4,485.15	1/4	4,239.51	1/4	3,976.70	1/4	3,708.67	1/4	3,384.53	1/4	3,022.77	1/4	2,660.89	1/4	2,298.84
1/2		1/2		1/2	4,717.98	1/2	4,480.21	1/2	4,234.20	1/2	3,971.12	1/2	3,703.09	1/2	3,377.05	1/2	3,015.23	1/2	2,653.35	1/2	2,291.29
3/4		3/4		3/4	4,713.34	3/4	4,475.28	3/4	4,228.89	3/4	3,965.53	3/4	3,697.50	3/4	3,369.56	3/4	3,007.69	3/4	2,645.81	3/4	2,283.75
3		3		3	4,707.95	3	4,470.32	3	4,223.55	3	3,959.95	3	3,691.92	3	3,362.03	3	3,000.15	3	2,638.27	3	2,276.20
1/4		1/4		1/4	4,702.56	1/4	4,465.35	1/4	4,218.21	1/4	3,954.37	1/4	3,686.33	1/4	3,354.49	1/4	2,992.61	1/4	2,630.73	1/4	2,268.65
1/2		1/2		1/2	4,697.17	1/2	4,460.39	1/2	4,212.87	1/2	3,948.78	1/2	3,680.75	1/2	3,346.95	1/2	2,985.07	1/2	2,623.19	1/2	2,261.10
3/4		3/4		3/4	4,691.78	3/4	4,455.43	3/4	4,207.53	3/4	3,943.20	3/4	3,675.17	3/4	3,339.41	3/4	2,977.53	3/4	2,615.65	3/4	2,253.55
4		4		4	4,686.29	4	4,450.44	4	4,202.16	4	3,937.61	4	3,669.58	4	3,331.87	4	2,969.99	4	2,608.12	4	2,246.01
1/4		1/4		1/4	4,680.81	1/4	4,445.44	1/4	4,196.79	1/4	3,932.03	1/4	3,664.00	1/4	3,324.33	1/4	2,962.45	1/4	2,600.58	1/4	2,238.47
1/2		1/2		1/2	4,675.32	1/2	4,440.45	1/2	4,191.42	1/2	3,926.45	1/2	3,658.41	1/2	3,316.79	1/2	2,954.91	1/2	2,593.04	1/2	2,230.93
3/4		3/4		3/4	4,669.84	3/4	4,435.46	3/4	4,186.05	3/4	3,920.86	3/4	3,652.83	3/4	3,309.25	3/4	2,947.37	3/4	2,585.50	3/4	2,223.39
5		5		5	4,664.56	5	4,430.44	5	4,180.65	5	3,915.28	5	3,647.25	5	3,301.71	5	2,939.84	5	2,577.96	5	2,215.86
1/4		1/4		1/4	4,659.29	1/4	4,425.42	1/4	4,175.26	1/4	3,909.69	1/4	3,641.66	1/4	3,294.17	1/4	2,932.30	1/4	2,570.42	1/4	2,208.33
1/2		1/2		1/2	4,654.02	1/2	4,420.40	1/2	4,169.86	1/2	3,904.11	1/2	3,636.08	1/2	3,286.63	1/2	2,924.76	1/2	2,562.88	1/2	2,200.80
3/4		3/4		3/4	4,648.74	3/4	4,415.38	3/4	4,164.46	3/4	3,898.53	3/4	3,630.49	3/4	3,279.10	3/4	2,917.22	3/4	2,555.34	3/4	2,193.26
6		6		6	4,643.88	6	4,410.33	6	4,159.04	6	3,892.94	6	3,624.42	6	3,271.56	6	2,909.68	6	2,547.80	6	2,185.73
1/4		1/4		1/4	4,639.03	1/4	4,405.28	1/4	4,153.61	1/4	3,887.36	1/4	3,618.34	1/4	3,264.02	1/4	2,902.14	1/4	2,540.26	1/4	2,178.20
1/2		1/2		1/2	4,634.17	1/2	4,400.23	1/2	4,148.18	1/2	3,881.77	1/2	3,612.27	1/2	3,256.48	1/2	2,894.60	1/2	2,532.72	1/2	2,170.67
3/4		3/4		3/4	4,629.31	3/4	4,395.18	3/4	4,142.76	3/4	3,876.19	3/4	3,606.20	3/4	3,248.94	3/4	2,887.06	3/4	2,525.19	3/4	2,163.14
7		7		7	4,624.64	7	4,390.10	7	4,137.30	7	3,870.61	7	3,599.14	7	3,241.40	7	2,879.52	7	2,517.65	7	2,155.60
1/4		1/4		1/4	4,619.98	1/4	4,385.03	1/4	4,131.85	1/4	3,865.02	1/4	3,592.09	1/4	3,233.86	1/4	2,871.98	1/4	2,510.11	1/4	2,148.07
1/2		1/2		1/2	4,615.31	1/2	4,379.95	1/2	4,126.39	1/2	3,859.44	1/2	3,585.04	1/2	3,226.32	1/2	2,864.44	1/2	2,502.57	1/2	2,140.54
3/4		3/4		3/4	4,610.64	3/4	4,374.87	3/4	4,120.94	3/4	3,853.85	3/4	3,577.99	3/4	3,218.78	3/4	2,856.91	3/4	2,495.03	3/4	2,133.01
8		8		8	4,605.94	8	4,369.76	8	4,115.45	8	3,848.27	8	3,570.51	8	3,211.24	8	2,849.37	8	2,487.49	8	2,125.48
1/4		1/4		1/4	4,601.25	1/4	4,364.66	1/4	4,109.97	1/4	3,842.69	1/4	3,563.02	1/4	3,203.70	1/4	2,841.83	1/4	2,479.95	1/4	2,117.94
1/2		1/2		1/2	4,596.55	1/2	4,359.55	1/2	4,104.49	1/2	3,837.10	1/2	3,555.54	1/2	3,196.16	1/2	2,834.29	1/2	2,472.41	1/2	2,110.41
3/4		3/4		3/4	4,591.85	3/4	4,354.44	3/4	4,099.00	3/4	3,831.52	3/4	3,548.06	3/4	3,188.63	3/4	2,826.75	3/4	2,464.87	3/4	2,102.88
9		9		9	4,587.10	9	4,349.31	9	4,093.49	9	3,825.93	9	3,540.63	9	3,181.09	9	2,819.21	9	2,457.33	9	2,095.35
1/4		1/4		1/4	4,582.34	1/4	4,344.17	1/4	4,087.98	1/4	3,820.35	1/4	3,533.20	1/4	3,173.55	1/4	2,811.67	1/4	2,449.79	1/4	2,087.82
1/2		1/2		1/2	4,577.58	1/2	4,339.04	1/2	4,082.47	1/2	3,814.77	1/2	3,525.77	1/2	3,166.01	1/2	2,804.13	1/2	2,442.24	1/2	2,080.28
3/4		3/4		3/4	4,572.82	3/4	4,333.90	3/4	4,076.95	3/4	3,809.18	3/4	3,518.35	3/4	3,158.47	3/4	2,796.59	3/4	2,434.70	3/4	2,072.75
10		10		10	4,568.00	10	4,328.72	10	4,071.41	10	3,803.60	10	3,510.92	10	3,150.93	10	2,789.05	10	2,427.15	10	2,065.22
1/4		1/4		1/4	4,563.18	1/4	4,323.54	1/4	4,065.87	1/4	3,798.01	1/4	3,503.49	1/4	3,143.39	1/4	2,781.51	1/4	2,419.61	1/4	2,057.69
1/2		1/2		1/2	4,558.36	1/2	4,318.36	1/2	4,060.33	1/2	3,792.43	1/2	3,496.06	1/2	3,135.85	1/2	2,773.98	1/2	2,412.06	1/2	2,050.16
3/4		3/4		3/4	4,553.54	3/4	4,313.18	3/4	4,054.79	3/4	3,786.85	3/4	3,488.63	3/4	3,128.31	3/4	2,766.44	3/4	2,404.52	3/4	2,042.62
11		11		11	4,548.69	11	4,307.96	11	4,049.22	11	3,781.26	11	3,481.21	11	3,120.77	11	2,758.90	11	2,396.97	11	2,035.09
1/4		1/4		1/4	4,543.85	1/4	4,302.73	1/4	4,043.66	1/4	3,775.68	1/4	3,473.78	1/4	3,113.23	1/4	2,751.36	1/4	2,389.42	1/4	2,027.56
1/2		1/2		1/2	4,539.00	1/2	4,297.51	1/2	4,038.09	1/2	3,770.09	1/2	3,466.35	1/2	3,105.70	1/2	2,743.82	1/2	2,381.87	1/2	2,020.03
3/4		3/4		3/4	4,534.15	3/4	4,292.28	3/4	4,032.53	3/4	3,764.51	3/4	3,458.92	3/4	3,098.16	3/4	2,736.28	3/4	2,374.33	3/4	2,012.50

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 529"

3 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	2,004.96	0	1,643.02	0	1,280.85	0	920.04	0	566.49	0	204.19	0		0		0		0	
1/4	1,997.43	1/4	1,635.48	1/4	1,273.31	1/4	912.70	1/4	558.94	1/4	196.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,989.90	1/2	1,627.93	1/2	1,265.76	1/2	905.36	1/2	551.39	1/2	189.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,982.37	3/4	1,620.39	3/4	1,258.21	3/4	898.02	3/4	543.84	3/4	181.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,974.84	1	1,612.84	1	1,250.67	1	890.69	1	536.30	1	173.99	1	1	1	1	1	1	1	1
1/4	1,967.30	1/4	1,605.30	1/4	1,243.12	1/4	883.36	1/4	528.75	1/4	166.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,959.77	1/2	1,597.75	1/2	1,235.58	1/2	876.03	1/2	521.20	1/2	158.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,952.24	3/4	1,590.21	3/4	1,228.03	3/4	868.70	3/4	513.65	3/4	151.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,944.71	2	1,582.66	2	1,220.49	2	861.37	2	506.10	2	143.80	2	2	2	2	2	2	2	2
1/4	1,937.18	1/4	1,575.12	1/4	1,212.94	1/4	854.04	1/4	498.55	1/4	136.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,929.64	1/2	1,567.57	1/2	1,205.39	1/2	846.71	1/2	491.00	1/2	128.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,922.11	3/4	1,560.02	3/4	1,197.85	3/4	839.38	3/4	483.45	3/4	121.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,914.58	3	1,552.48	3	1,190.30	3	832.05	3	475.90	3	113.60	3	3	3	3	3	3	3	3
1/4	1,907.05	1/4	1,544.93	1/4	1,182.76	1/4	824.72	1/4	468.36	1/4	106.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,899.52	1/2	1,537.39	1/2	1,175.21	1/2	817.39	1/2	460.81	1/2	98.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,891.98	3/4	1,529.84	3/4	1,167.67	3/4	810.06	3/4	453.26	3/4	90.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,884.45	4	1,522.30	4	1,160.12	4	802.73	4	445.72	4	83.40	4	4	4	4	4	4	4	4
1/4	1,876.91	1/4	1,514.75	1/4	1,152.57	1/4	795.39	1/4	438.17	1/4	75.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,869.37	1/2	1,507.21	1/2	1,145.03	1/2	788.06	1/2	430.63	1/2	68.31	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,861.83	3/4	1,499.66	3/4	1,137.48	3/4	780.73	3/4	423.08	3/4	60.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,854.29	5	1,492.12	5	1,129.94	5	773.40	5	415.54	5	53.84	5	5	5	5	5	5	5	5
1/4	1,846.74	1/4	1,484.57	1/4	1,122.39	1/4	766.08	1/4	408.00	1/4	46.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,839.20	1/2	1,477.03	1/2	1,114.85	1/2	758.75	1/2	400.45	1/2	40.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,831.65	3/4	1,469.48	3/4	1,107.30	3/4	751.42	3/4	392.91	3/4	33.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,824.11	6	1,461.94	6	1,099.75	6	744.09	6	385.36	6	28.05	6	6	6	6	6	6	6	6
1/4	1,816.56	1/4	1,454.39	1/4	1,092.21	1/4	736.76	1/4	377.81	1/4	23.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,809.02	1/2	1,446.85	1/2	1,084.66	1/2	729.43	1/2	370.27	1/2	17.98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,801.47	3/4	1,439.30	3/4	1,077.12	3/4	722.11	3/4	362.72	3/4	12.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,793.93	7	1,431.76	7	1,069.57	7	714.78	7	355.17	7		7	7	7	7	7	7	7	7
1/4	1,786.38	1/4	1,424.21	1/4	1,062.03	1/4	707.45	1/4	347.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,778.84	1/2	1,416.67	1/2	1,054.48	1/2	700.12	1/2	340.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,771.29	3/4	1,409.12	3/4	1,046.94	3/4	692.79	3/4	332.52	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,763.75	8	1,401.58	8	1,039.39	8	685.45	8	324.97	8		8	8	8	8	8	8	8	8
1/4	1,756.20	1/4	1,394.03	1/4	1,031.84	1/4	678.11	1/4	317.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,748.65	1/2	1,386.49	1/2	1,024.30	1/2	670.77	1/2	309.87	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,741.11	3/4	1,378.94	3/4	1,016.75	3/4	663.44	3/4	302.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,733.56	9	1,371.39	9	1,009.21	9	656.09	9	294.78	9		9	9	9	9	9	9	9	9
1/4	1,726.02	1/4	1,363.85	1/4	1,001.66	1/4	648.74	1/4	287.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,718.47	1/2	1,356.30	1/2	994.12	1/2	641.39	1/2	279.68	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,710.93	3/4	1,348.76	3/4	986.57	3/4	634.04	3/4	272.13	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,703.38	10	1,341.21	10	979.12	10	626.59	10	264.58	10		10	10	10	10	10	10	10	10
1/4	1,695.84	1/4	1,333.67	1/4	971.67	1/4	619.14	1/4	257.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,688.29	1/2	1,326.12	1/2	964.22	1/2	611.69	1/2	249.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,680.75	3/4	1,318.58	3/4	956.77	3/4	604.24	3/4	241.93	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,673.20	11	1,311.03	11	949.42	11	596.69	11	234.38	11		11	11	11	11	11	11	11	11
1/4	1,665.66	1/4	1,303.49	1/4	942.07	1/4	589.14	1/4	226.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,658.11	1/2	1,295.94	1/2	934.73	1/2	581.59	1/2	219.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,650.57	3/4	1,288.40	3/4	927.38	3/4	574.04	3/4	211.74	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: 03/27/2023 JS
CALCULATED: 03/27/2023 CL
PRINTED: 03/27/2023 CL

CANCELS AND SUPERCEDES
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BARGE "EMS 529"

3 STBD
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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
					4,487.69		4,246.02		3,986.64		3,719.38		3,413.09		3,054.35		2,694.62		2,334.96		
1/4	1/4	1/4	1/4	1/4	4,482.83	1/4	4,240.78	1/4	3,981.08	1/4	3,713.81	1/4	3,405.71	1/4	3,046.86	1/4	2,687.12	1/4	2,327.46		
1/2	1/2	1/2	1/2	1/2	4,477.96	1/2	4,235.54	1/2	3,975.52	1/2	3,708.25	1/2	3,398.32	1/2	3,039.36	1/2	2,679.63	1/2	2,319.95		
3/4	3/4	3/4	3/4	3/4	4,473.10	3/4	4,230.30	3/4	3,969.95	3/4	3,702.68	3/4	3,390.94	3/4	3,031.87	3/4	2,672.14	3/4	2,312.45		
1	1	1	1	1	4,699.49	1	4,468.20	1	4,225.03	1	3,964.38	1	3,697.11	1	3,383.55	1	3,024.37	1	2,664.64	1	2,304.94
1/4	1/4	1/4	1/4	1/4	4,696.27	1/4	4,463.31	1/4	4,219.76	1/4	3,958.82	1/4	3,691.54	1/4	3,376.17	1/4	3,016.88	1/4	2,657.15	1/4	2,297.44
1/2	1/2	1/2	1/2	1/2	4,693.06	1/2	4,458.41	1/2	4,214.49	1/2	3,953.25	1/2	3,685.97	1/2	3,368.78	1/2	3,009.38	1/2	2,649.65	1/2	2,289.93
3/4	3/4	3/4	3/4	3/4	4,689.84	3/4	4,453.52	3/4	4,209.22	3/4	3,947.68	3/4	3,680.41	3/4	3,361.40	3/4	3,001.89	3/4	2,642.16	3/4	2,282.43
2	2	2	2	2	4,685.22	2	4,448.59	2	4,203.92	2	3,942.11	2	3,674.84	2	3,353.96	2	2,994.40	2	2,634.67	2	2,274.92
1/4	1/4	1/4	1/4	1/4	4,680.59	1/4	4,443.67	1/4	4,198.63	1/4	3,936.54	1/4	3,669.27	1/4	3,346.52	1/4	2,986.90	1/4	2,627.18	1/4	2,267.41
1/2	1/2	1/2	1/2	1/2	4,675.97	1/2	4,438.75	1/2	4,193.33	1/2	3,930.97	1/2	3,663.70	1/2	3,339.08	1/2	2,979.41	1/2	2,619.68	1/2	2,259.91
3/4	3/4	3/4	3/4	3/4	4,671.34	3/4	4,433.82	3/4	4,188.03	3/4	3,925.41	3/4	3,658.13	3/4	3,331.64	3/4	2,971.91	3/4	2,612.19	3/4	2,252.40
3	3	3	3	3	4,665.97	3	4,428.87	3	4,182.71	3	3,919.84	3	3,652.56	3	3,324.15	3	2,964.42	3	2,604.70	3	2,244.90
1/4	1/4	1/4	1/4	1/4	4,660.59	1/4	4,423.92	1/4	4,177.38	1/4	3,914.27	1/4	3,647.00	1/4	3,316.65	1/4	2,956.92	1/4	2,597.21	1/4	2,237.39
1/2	1/2	1/2	1/2	1/2	4,655.21	1/2	4,418.97	1/2	4,172.05	1/2	3,908.70	1/2	3,641.43	1/2	3,309.16	1/2	2,949.43	1/2	2,589.73	1/2	2,229.89
3/4	3/4	3/4	3/4	3/4	4,649.84	3/4	4,414.02	3/4	4,166.73	3/4	3,903.13	3/4	3,635.86	3/4	3,301.67	3/4	2,941.93	3/4	2,582.24	3/4	2,222.38
4	4	4	4	4	4,644.37	4	4,409.03	4	4,161.37	4	3,897.57	4	3,630.29	4	3,294.17	4	2,934.44	4	2,574.75	4	2,214.89
1/4	1/4	1/4	1/4	1/4	4,638.90	1/4	4,404.05	1/4	4,156.02	1/4	3,892.00	1/4	3,624.72	1/4	3,286.68	1/4	2,926.95	1/4	2,567.26	1/4	2,207.39
1/2	1/2	1/2	1/2	1/2	4,633.43	1/2	4,399.07	1/2	4,150.66	1/2	3,886.43	1/2	3,619.16	1/2	3,279.18	1/2	2,919.45	1/2	2,559.77	1/2	2,199.89
3/4	3/4	3/4	3/4	3/4	4,627.96	3/4	4,394.09	3/4	4,145.31	3/4	3,880.86	3/4	3,613.59	3/4	3,271.69	3/4	2,911.96	3/4	2,552.28	3/4	2,192.40
5	5	5	5	5	4,622.70	5	4,389.09	5	4,139.93	5	3,875.29	5	3,608.02	5	3,264.19	5	2,904.46	5	2,544.79	5	2,184.91
1/4	1/4	1/4	1/4	1/4	4,617.44	1/4	4,384.08	1/4	4,134.54	1/4	3,869.72	1/4	3,602.45	1/4	3,256.70	1/4	2,896.97	1/4	2,537.30	1/4	2,177.42
1/2	1/2	1/2	1/2	1/2	4,612.18	1/2	4,379.07	1/2	4,129.16	1/2	3,864.16	1/2	3,596.88	1/2	3,249.20	1/2	2,889.47	1/2	2,529.81	1/2	2,169.93
3/4	3/4	3/4	3/4	3/4	4,606.92	3/4	4,374.06	3/4	4,123.78	3/4	3,858.59	3/4	3,591.31	3/4	3,241.71	3/4	2,881.98	3/4	2,522.32	3/4	2,162.44
6	6	6	6	6	4,602.07	6	4,369.02	6	4,118.37	6	3,853.02	6	3,585.26	6	3,234.22	6	2,874.48	6	2,514.83	6	2,154.95
1/4	1/4	1/4	1/4	1/4	4,597.22	1/4	4,363.98	1/4	4,112.95	1/4	3,847.45	1/4	3,579.20	1/4	3,226.72	1/4	2,866.99	1/4	2,507.34	1/4	2,147.46
1/2	1/2	1/2	1/2	1/2	4,592.37	1/2	4,358.95	1/2	4,107.54	1/2	3,841.88	1/2	3,573.15	1/2	3,219.23	1/2	2,859.50	1/2	2,499.86	1/2	2,139.97
3/4	3/4	3/4	3/4	3/4	4,587.53	3/4	4,353.91	3/4	4,102.13	3/4	3,836.32	3/4	3,567.09	3/4	3,211.73	3/4	2,852.00	3/4	2,492.37	3/4	2,132.49
7	7	7	7	7	4,582.87	7	4,348.84	7	4,096.69	7	3,830.75	7	3,560.07	7	3,204.24	7	2,844.51	7	2,484.88	7	2,125.00
1/4	1/4	1/4	1/4	1/4	4,578.21	1/4	4,343.78	1/4	4,091.25	1/4	3,825.18	1/4	3,553.05	1/4	3,196.74	1/4	2,837.01	1/4	2,477.39	1/4	2,117.51
1/2	1/2	1/2	1/2	1/2	4,573.55	1/2	4,338.71	1/2	4,085.81	1/2	3,819.61	1/2	3,546.02	1/2	3,189.25	1/2	2,829.52	1/2	2,469.90	1/2	2,110.02
3/4	3/4	3/4	3/4	3/4	4,568.89	3/4	4,333.65	3/4	4,080.37	3/4	3,814.04	3/4	3,539.00	3/4	3,181.76	3/4	2,822.02	3/4	2,462.41	3/4	2,102.53
8	8	8	8	8	4,564.20	8	4,328.55	8	4,074.90	8	3,808.47	8	3,531.55	8	3,174.26	8	2,814.53	8	2,454.92	8	2,095.09
1/4	1/4	1/4	1/4	1/4	4,559.52	1/4	4,323.46	1/4	4,069.43	1/4	3,802.91	1/4	3,524.10	1/4	3,166.77	1/4	2,807.04	1/4	2,447.43	1/4	2,087.65
1/2	1/2	1/2	1/2	1/2	4,554.83	1/2	4,318.36	1/2	4,063.97	1/2	3,797.34	1/2	3,516.65	1/2	3,159.27	1/2	2,799.54	1/2	2,439.94	1/2	2,080.20
3/4	3/4	3/4	3/4	3/4	4,550.14	3/4	4,313.27	3/4	4,058.50	3/4	3,791.77	3/4	3,509.20	3/4	3,151.78	3/4	2,792.05	3/4	2,432.45	3/4	2,072.76
9	9	9	9	9	4,545.40	9	4,308.15	9	4,053.00	9	3,786.20	9	3,501.80	9	3,144.28	9	2,784.55	9	2,424.96	9	2,065.37
1/4	1/4	1/4	1/4	1/4	4,540.65	1/4	4,303.02	1/4	4,047.50	1/4	3,780.63	1/4	3,494.41	1/4	3,136.79	1/4	2,777.06	1/4	2,417.47	1/4	2,057.97
1/2	1/2	1/2	1/2	1/2	4,535.90	1/2	4,297.90	1/2	4,042.01	1/2	3,775.06	1/2	3,487.01	1/2	3,129.29	1/2	2,769.56	1/2	2,409.97	1/2	2,050.58
3/4	3/4	3/4	3/4	3/4	4,531.15	3/4	4,292.78	3/4	4,036.51	3/4	3,769.50	3/4	3,479.62	3/4	3,121.80	3/4	2,762.07	3/4	2,402.48	3/4	2,043.18
10	10	10	10	10	4,526.34	10	4,287.61	10	4,030.98	10	3,763.93	10	3,472.22	10	3,114.31	10	2,754.57	10	2,394.98	10	2,035.78
1/4	1/4	1/4	1/4	1/4	4,521.53	1/4	4,282.44	1/4	4,025.46	1/4	3,758.36	1/4	3,464.82	1/4	3,106.81	1/4	2,747.08	1/4	2,387.48	1/4	2,028.39
1/2	1/2	1/2	1/2	1/2	4,516.72	1/2	4,277.28	1/2	4,019.93	1/2	3,752.79	1/2	3,457.43	1/2	3,099.32	1/2	2,739.59	1/2	2,379.98	1/2	2,020.99
3/4	3/4	3/4	3/4	3/4	4,511.91	3/4	4,272.11	3/4	4,014.41	3/4	3,747.22	3/4	3,450.03	3/4	3,091.82	3/4	2,732.09	3/4	2,372.48	3/4	2,013.60
11	11	11	11	11	4,507.07	11	4,266.90	11	4,008.86	11	3,741.66	11	3,442.64	11	3,084.33	11	2,724.60	11	2,364.98	11	2,006.20
1/4	1/4	1/4	1/4	1/4	4,502.24	1/4	4,261.68	1/4	4,003.31	1/4	3,736.09	1/4	3,435.25	1/4	3,076.83	1/4	2,717.10	1/4	2,357.47	1/4	1,998.81
1/2	1/2	1/2	1/2	1/2	4,497.40	1/2	4,256.47	1/2	3,997.76	1/2	3,730.52	1/2	3,427.86	1/2	3,069.34	1/2	2,709.61	1/2	2,349.97	1/2	1,991.41
3/4	3/4</																				



BARGE "EMS 529"

3 STBD 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	1,976.62	0	1,619.88	0	1,259.95	0	903.41	0	563.56	0	203.27	0		0		0		0	
1/4	1,969.23	1/4	1,612.39	1/4	1,252.45	1/4	896.40	1/4	556.06	1/4	195.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,961.83	1/2	1,604.89	1/2	1,244.95	1/2	889.40	1/2	548.55	1/2	188.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,954.44	3/4	1,597.39	3/4	1,237.45	3/4	882.39	3/4	541.04	3/4	180.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,947.04	1	1,589.89	1	1,229.95	1	875.39	1	533.54	1	173.24	1	1	1	1	1	1	1	1
1/4	1,939.64	1/4	1,582.39	1/4	1,222.45	1/4	868.40	1/4	526.03	1/4	165.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,932.25	1/2	1,574.89	1/2	1,214.95	1/2	861.40	1/2	518.52	1/2	158.22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,924.85	3/4	1,567.39	3/4	1,207.46	3/4	854.41	3/4	511.01	3/4	150.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,917.46	2	1,559.89	2	1,199.96	2	847.41	2	503.51	2	143.20	2	2	2	2	2	2	2	2
1/4	1,910.06	1/4	1,552.40	1/4	1,192.46	1/4	840.40	1/4	496.00	1/4	135.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,902.67	1/2	1,544.90	1/2	1,184.96	1/2	833.40	1/2	488.49	1/2	128.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,895.27	3/4	1,537.40	3/4	1,177.46	3/4	826.40	3/4	480.98	3/4	120.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,887.88	3	1,529.90	3	1,169.96	3	819.40	3	473.48	3	113.15	3	3	3	3	3	3	3	3
1/4	1,880.48	1/4	1,522.40	1/4	1,162.46	1/4	812.40	1/4	465.97	1/4	105.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,873.09	1/2	1,514.90	1/2	1,154.96	1/2	805.40	1/2	458.47	1/2	98.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,865.69	3/4	1,507.40	3/4	1,147.46	3/4	798.40	3/4	450.96	3/4	90.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,858.29	4	1,499.91	4	1,139.95	4	791.40	4	443.46	4	83.07	4	4	4	4	4	4	4	4
1/4	1,850.89	1/4	1,492.41	1/4	1,132.45	1/4	784.40	1/4	435.96	1/4	75.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,843.48	1/2	1,484.91	1/2	1,124.95	1/2	777.39	1/2	428.45	1/2	68.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,836.08	3/4	1,477.41	3/4	1,117.45	3/4	770.39	3/4	420.95	3/4	60.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,828.67	5	1,469.91	5	1,109.95	5	763.39	5	413.45	5	53.62	5	5	5	5	5	5	5	5
1/4	1,821.27	1/4	1,462.41	1/4	1,102.45	1/4	756.39	1/4	405.95	1/4	46.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,813.86	1/2	1,454.91	1/2	1,094.95	1/2	749.39	1/2	398.44	1/2	39.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,806.45	3/4	1,447.42	3/4	1,087.45	3/4	742.39	3/4	390.94	3/4	32.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,799.04	6	1,439.92	6	1,079.96	6	735.40	6	383.43	6	27.93	6	6	6	6	6	6	6	6
1/4	1,791.63	1/4	1,432.42	1/4	1,072.47	1/4	728.40	1/4	375.93	1/4	22.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,784.22	1/2	1,424.92	1/2	1,064.97	1/2	721.40	1/2	368.42	1/2	17.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,776.82	3/4	1,417.42	3/4	1,057.48	3/4	714.40	3/4	360.92	3/4	12.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,769.41	7	1,409.92	7	1,049.99	7	707.40	7	353.41	7		7	7	7	7	7	7	7	7
1/4	1,762.00	1/4	1,402.42	1/4	1,042.49	1/4	700.40	1/4	345.90	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,754.59	1/2	1,394.93	1/2	1,035.00	1/2	693.40	1/2	338.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,747.18	3/4	1,387.43	3/4	1,027.51	3/4	686.40	3/4	330.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,739.73	8	1,379.93	8	1,020.01	8	679.38	8	323.38	8		8	8	8	8	8	8	8	8
1/4	1,732.27	1/4	1,372.43	1/4	1,012.52	1/4	672.37	1/4	315.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,724.82	1/2	1,364.93	1/2	1,005.03	1/2	665.35	1/2	308.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,717.37	3/4	1,357.43	3/4	997.53	3/4	658.33	3/4	300.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,709.87	9	1,349.93	9	990.04	9	651.30	9	293.35	9		9	9	9	9	9	9	9	9
1/4	1,702.37	1/4	1,342.44	1/4	982.55	1/4	644.26	1/4	285.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,694.87	1/2	1,334.94	1/2	975.05	1/2	637.23	1/2	278.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,687.37	3/4	1,327.44	3/4	967.56	3/4	630.19	3/4	270.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,679.87	10	1,319.94	10	960.30	10	622.92	10	263.32	10		10	10	10	10	10	10	10	10
1/4	1,672.37	1/4	1,312.44	1/4	953.04	1/4	615.65	1/4	255.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,664.88	1/2	1,304.94	1/2	945.78	1/2	608.37	1/2	248.31	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,657.38	3/4	1,297.44	3/4	938.52	3/4	601.10	3/4	240.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,649.88	11	1,289.94	11	931.49	11	593.59	11	233.30	11		11	11	11	11	11	11	11	11
1/4	1,642.38	1/4	1,282.45	1/4	924.47	1/4	586.09	1/4	225.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,634.88	1/2	1,274.95	1/2	917.44	1/2	578.58	1/2	218.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,627.38	3/4	1,267.45	3/4	910.42	3/4	571.07	3/4	210.77	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: 03/27/2023 JS
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PRINTED: 03/27/2023 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2023