

BARGE "EMS 533"

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	00-1/2	- 00-1/2
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	00-1/2	- 00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/2"
 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"

June 20, 2025

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 533"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,580.80	0	4,283.13	0	3,975.31	0	3,650.99	0	3,320.30	0	2,989.62	0	2,658.94	0	2,328.25	0	1,997.56
1/4		1/4	4,576.02	1/4	4,276.87	1/4	3,968.69	1/4	3,644.10	1/4	3,313.42	1/4	2,982.73	1/4	2,652.05	1/4	2,321.36	1/4	1,990.67
1/2		1/2	4,571.24	1/2	4,270.61	1/2	3,962.08	1/2	3,637.21	1/2	3,306.53	1/2	2,975.84	1/2	2,645.16	1/2	2,314.47	1/2	1,983.78
3/4		3/4	4,566.45	3/4	4,264.35	3/4	3,955.46	3/4	3,630.32	3/4	3,299.64	3/4	2,968.96	3/4	2,638.27	3/4	2,307.58	3/4	1,976.89
1		1	4,561.67	1	4,258.09	1	3,948.85	1	3,623.43	1	3,292.75	1	2,962.07	1	2,631.38	1	2,300.69	1	1,969.99
1/4		1/4	4,555.60	1/4	4,251.80	1/4	3,942.21	1/4	3,616.54	1/4	3,285.86	1/4	2,955.18	1/4	2,624.49	1/4	2,293.80	1/4	1,963.10
1/2		1/2	4,549.52	1/2	4,245.51	1/2	3,935.57	1/2	3,609.65	1/2	3,278.97	1/2	2,948.29	1/2	2,617.60	1/2	2,286.91	1/2	1,956.21
3/4		3/4	4,543.45	3/4	4,239.23	3/4	3,928.93	3/4	3,602.76	3/4	3,272.08	3/4	2,941.40	3/4	2,610.71	3/4	2,280.02	3/4	1,949.32
2		2	4,537.38	2	4,232.94	2	3,922.29	2	3,595.87	2	3,265.19	2	2,934.51	2	2,603.82	2	2,273.14	2	1,942.43
1/4		1/4	4,530.61	1/4	4,226.63	1/4	3,915.62	1/4	3,588.98	1/4	3,258.30	1/4	2,927.62	1/4	2,596.93	1/4	2,266.25	1/4	1,935.53
1/2		1/2	4,523.85	1/2	4,220.31	1/2	3,908.95	1/2	3,582.09	1/2	3,251.41	1/2	2,920.73	1/2	2,590.04	1/2	2,259.36	1/2	1,928.64
3/4		3/4	4,517.09	3/4	4,214.00	3/4	3,902.29	3/4	3,575.20	3/4	3,244.52	3/4	2,913.84	3/4	2,583.15	3/4	2,252.47	3/4	1,921.75
3		3	4,510.32	3	4,207.69	3	3,895.62	3	3,568.32	3	3,237.63	3	2,906.95	3	2,576.26	3	2,245.58	3	1,914.86
1/4		1/4	4,503.47	1/4	4,201.35	1/4	3,888.93	1/4	3,561.43	1/4	3,230.74	1/4	2,900.06	1/4	2,569.38	1/4	2,238.69	1/4	1,907.97
1/2		1/2	4,496.62	1/2	4,195.01	1/2	3,882.23	1/2	3,554.54	1/2	3,223.86	1/2	2,893.17	1/2	2,562.49	1/2	2,231.80	1/2	1,901.07
3/4		3/4	4,489.78	3/4	4,188.67	3/4	3,875.54	3/4	3,547.65	3/4	3,216.97	3/4	2,886.28	3/4	2,555.60	3/4	2,224.91	3/4	1,894.18
4		4	4,482.93	4	4,182.33	4	3,868.85	4	3,540.76	4	3,210.08	4	2,879.39	4	2,548.71	4	2,218.02	4	1,887.29
1/4		1/4	4,476.27	1/4	4,175.96	1/4	3,862.13	1/4	3,533.87	1/4	3,203.19	1/4	2,872.50	1/4	2,541.82	1/4	2,211.13	1/4	1,880.40
1/2		1/2	4,469.61	1/2	4,169.60	1/2	3,855.41	1/2	3,526.98	1/2	3,196.30	1/2	2,865.62	1/2	2,534.93	1/2	2,204.24	1/2	1,873.51
3/4		3/4	4,462.96	3/4	4,163.23	3/4	3,848.69	3/4	3,520.09	3/4	3,189.41	3/4	2,858.73	3/4	2,528.04	3/4	2,197.35	3/4	1,866.61
5		5	4,456.30	5	4,156.87	5	3,841.97	5	3,513.20	5	3,182.52	5	2,851.84	5	2,521.15	5	2,190.46	5	1,859.72
1/4		1/4	4,450.02	1/4	4,150.48	1/4	3,835.23	1/4	3,506.31	1/4	3,175.63	1/4	2,844.95	1/4	2,514.26	1/4	2,183.57	1/4	1,852.83
1/2		1/2	4,443.75	1/2	4,144.08	1/2	3,828.48	1/2	3,499.42	1/2	3,168.74	1/2	2,838.06	1/2	2,507.37	1/2	2,176.69	1/2	1,845.94
3/4		3/4	4,437.47	3/4	4,137.69	3/4	3,821.74	3/4	3,492.53	3/4	3,161.85	3/4	2,831.17	3/4	2,500.48	3/4	2,169.80	3/4	1,839.05
6		6	4,431.19	6	4,131.30	6	3,814.99	6	3,485.65	6	3,154.96	6	2,824.28	6	2,493.59	6	2,162.91	6	1,832.15
1/4		1/4	4,425.09	1/4	4,124.88	1/4	3,808.22	1/4	3,478.76	1/4	3,148.07	1/4	2,817.39	1/4	2,486.70	1/4	2,156.02	1/4	1,825.26
1/2		1/2	4,418.98	1/2	4,118.47	1/2	3,801.45	1/2	3,471.87	1/2	3,141.19	1/2	2,810.50	1/2	2,479.81	1/2	2,149.13	1/2	1,818.37
3/4		3/4	4,412.88	3/4	4,112.05	3/4	3,794.68	3/4	3,464.98	3/4	3,134.30	3/4	2,803.61	3/4	2,472.92	3/4	2,142.24	3/4	1,811.48
7		7	4,406.78	7	4,105.63	7	3,787.90	7	3,458.09	7	3,127.41	7	2,796.72	7	2,466.04	7	2,135.35	7	1,804.59
1/4		1/4	4,400.65	1/4	4,099.19	1/4	3,781.11	1/4	3,451.20	1/4	3,120.52	1/4	2,789.83	1/4	2,459.15	1/4	2,128.46	1/4	1,797.69
1/2		1/2	4,394.52	1/2	4,092.74	1/2	3,774.31	1/2	3,444.31	1/2	3,113.63	1/2	2,782.94	1/2	2,452.26	1/2	2,121.57	1/2	1,790.80
3/4		3/4	4,388.39	3/4	4,086.30	3/4	3,767.51	3/4	3,437.42	3/4	3,106.74	3/4	2,776.05	3/4	2,445.37	3/4	2,114.68	3/4	1,783.91
8		8	4,382.26	8	4,079.85	8	3,760.71	8	3,430.53	8	3,099.85	8	2,769.16	8	2,438.48	8	2,107.79	8	1,777.02
1/4		1/4	4,376.10	1/4	4,073.38	1/4	3,753.89	1/4	3,423.64	1/4	3,092.96	1/4	2,762.28	1/4	2,431.59	1/4	2,100.90	1/4	1,770.13
1/2		1/2	4,369.94	1/2	4,066.91	1/2	3,747.07	1/2	3,416.75	1/2	3,086.07	1/2	2,755.39	1/2	2,424.70	1/2	2,094.01	1/2	1,763.23
3/4		3/4	4,363.79	3/4	4,060.44	3/4	3,740.24	3/4	3,409.86	3/4	3,079.18	3/4	2,748.50	3/4	2,417.81	3/4	2,087.12	3/4	1,756.34
9		9	4,357.63	9	4,053.97	9	3,733.42	9	3,402.97	9	3,072.29	9	2,741.61	9	2,410.92	9	2,080.23	9	1,749.45
1/4		1/4	4,351.45	1/4	4,047.46	1/4	3,726.57	1/4	3,396.09	1/4	3,065.40	1/4	2,734.72	1/4	2,404.03	1/4	2,073.35	1/4	1,742.56
1/2		1/2	4,345.27	1/2	4,040.94	1/2	3,719.72	1/2	3,389.20	1/2	3,058.51	1/2	2,727.83	1/2	2,397.14	1/2	2,066.46	1/2	1,735.67
3/4		3/4	4,339.08	3/4	4,034.43	3/4	3,712.87	3/4	3,382.31	3/4	3,051.63	3/4	2,720.94	3/4	2,390.25	3/4	2,059.57	3/4	1,728.77
10		10	4,332.90	10	4,027.91	10	3,706.02	10	3,375.42	10	3,044.74	10	2,714.05	10	2,383.36	10	2,052.68	10	1,721.88
1/4		1/4	4,326.69	1/4	4,021.35	1/4	3,699.15	1/4	3,368.53	1/4	3,037.85	1/4	2,707.16	1/4	2,376.47	1/4	2,045.79	1/4	1,714.99
1/2		1/2	4,320.49	1/2	4,014.79	1/2	3,692.27	1/2	3,361.64	1/2	3,030.96	1/2	2,700.27	1/2	2,369.59	1/2	2,038.90	1/2	1,708.10
3/4		3/4	4,314.28	3/4	4,008.22	3/4	3,685.40	3/4	3,354.75	3/4	3,024.07	3/4	2,693.38	3/4	2,362.70	3/4	2,032.02	3/4	1,701.21
11		11	4,308.07	11	4,001.66	11	3,678.53	11	3,347.86	11	3,017.18	11	2,686.49	11	2,355.81	11	2,025.13	11	1,694.31
1/4		1/4	4,301.83	1/4	3,995.07	1/4	3,671.64	1/4	3,340.97	1/4	3,010.29	1/4	2,679.60	1/4	2,348.92	1/4	2,018.24	1/4	1,687.42
1/2		1/2	4,295.60	1/2	3,988.48	1/2	3,664.76	1/2	3,334.08	1/2	3,003.40	1/2	2,672.71	1/2	2,342.03	1/2	2,011.35	1/2	1,680.53
3/4		3/4	4,289.36	3/4	3,981.90	3/4	3,657.87	3/4	3,327.19	3/4	2,996.51	3/4	2,665.83	3/4	2,335.14	3/4	2,004.45	3/4	1,673.64

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

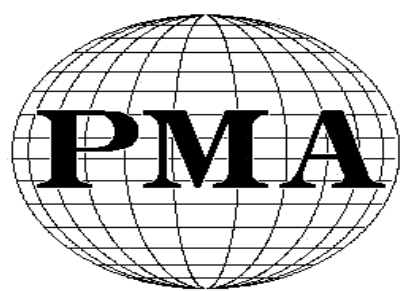
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN 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 533"

1 PORT
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	1,666.75	0	1,335.93	0	1,005.47	0	689.83	0	397.47	0	127.11	0		0		0		0	
1/4	1,659.85	1/4	1,329.04	1/4	998.68	1/4	683.53	1/4	391.62	1/4	121.73	1/4		1/4		1/4		1/4	
1/2	1,652.96	1/2	1,322.15	1/2	991.88	1/2	677.23	1/2	385.77	1/2	116.36	1/2		1/2		1/2		1/2	
3/4	1,646.07	3/4	1,315.25	3/4	985.09	3/4	670.93	3/4	379.92	3/4	110.98	3/4		3/4		3/4		3/4	
1	1,639.18	1	1,308.36	1	978.29	1	664.63	1	374.07	1	105.60	1		1		1		1	
1/4	1,632.29	1/4	1,301.47	1/4	971.54	1/4	658.37	1/4	368.26	1/4	100.26	1/4		1/4		1/4		1/4	
1/2	1,625.39	1/2	1,294.58	1/2	964.79	1/2	652.11	1/2	362.45	1/2	94.92	1/2		1/2		1/2		1/2	
3/4	1,618.50	3/4	1,287.69	3/4	958.03	3/4	645.85	3/4	356.64	3/4	89.58	3/4		3/4		3/4		3/4	
2	1,611.61	2	1,280.79	2	951.28	2	639.59	2	350.83	2	84.24	2		2		2		2	
1/4	1,604.72	1/4	1,273.90	1/4	944.56	1/4	633.37	1/4	345.06	1/4	78.95	1/4		1/4		1/4		1/4	
1/2	1,597.83	1/2	1,267.01	1/2	937.85	1/2	627.14	1/2	339.29	1/2	73.65	1/2		1/2		1/2		1/2	
3/4	1,590.93	3/4	1,260.12	3/4	931.13	3/4	620.92	3/4	333.52	3/4	68.35	3/4		3/4		3/4		3/4	
3	1,584.04	3	1,253.23	3	924.42	3	614.70	3	327.75	3	63.05	3		3		3		3	
1/4	1,577.15	1/4	1,246.33	1/4	917.74	1/4	608.52	1/4	322.02	1/4	57.79	1/4		1/4		1/4		1/4	
1/2	1,570.26	1/2	1,239.44	1/2	911.07	1/2	602.34	1/2	316.30	1/2	52.53	1/2		1/2		1/2		1/2	
3/4	1,563.37	3/4	1,232.55	3/4	904.39	3/4	596.16	3/4	310.57	3/4	47.27	3/4		3/4		3/4		3/4	
4	1,556.47	4	1,225.66	4	897.72	4	589.97	4	304.84	4	42.01	4		4		4		4	
1/4	1,549.58	1/4	1,218.77	1/4	891.08	1/4	583.83	1/4	299.15	1/4	37.36	1/4		1/4		1/4		1/4	
1/2	1,542.69	1/2	1,211.87	1/2	884.44	1/2	577.69	1/2	293.47	1/2	32.72	1/2		1/2		1/2		1/2	
3/4	1,535.80	3/4	1,204.98	3/4	877.81	3/4	571.55	3/4	287.78	3/4	28.07	3/4		3/4		3/4		3/4	
5	1,528.91	5	1,198.09	5	871.17	5	565.41	5	282.09	5	23.42	5		5		5		5	
1/4	1,522.01	1/4	1,191.20	1/4	864.57	1/4	559.31	1/4	276.44	1/4	20.10	1/4		1/4		1/4		1/4	
1/2	1,515.12	1/2	1,184.31	1/2	857.98	1/2	553.21	1/2	270.79	1/2	16.78	1/2		1/2		1/2		1/2	
3/4	1,508.23	3/4	1,177.41	3/4	851.38	3/4	547.11	3/4	265.13	3/4	13.46	3/4		3/4		3/4		3/4	
6	1,501.34	6	1,170.52	6	844.78	6	541.01	6	259.48	6	10.14	6		6		6		6	
1/4	1,494.45	1/4	1,163.63	1/4	838.22	1/4	534.94	1/4	253.87	1/4		1/4		1/4		1/4		1/4	
1/2	1,487.55	1/2	1,156.74	1/2	831.67	1/2	528.88	1/2	248.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,480.66	3/4	1,149.85	3/4	825.11	3/4	522.82	3/4	242.64	3/4		3/4		3/4		3/4		3/4	
7	1,473.77	7	1,142.95	7	818.55	7	516.76	7	237.03	7		7		7		7		7	
1/4	1,466.88	1/4	1,136.06	1/4	812.03	1/4	510.72	1/4	231.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,459.99	1/2	1,129.17	1/2	805.52	1/2	504.69	1/2	225.88	1/2		1/2		1/2		1/2		1/2	
3/4	1,453.09	3/4	1,122.28	3/4	799.00	3/4	498.66	3/4	220.30	3/4		3/4		3/4		3/4		3/4	
8	1,446.20	8	1,115.39	8	792.48	8	492.63	8	214.73	8		8		8		8		8	
1/4	1,439.31	1/4	1,108.49	1/4	786.00	1/4	486.62	1/4	209.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,432.42	1/2	1,101.60	1/2	779.52	1/2	480.62	1/2	203.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,425.53	3/4	1,094.71	3/4	773.04	3/4	474.62	3/4	198.12	3/4		3/4		3/4		3/4		3/4	
9	1,418.63	9	1,087.82	9	766.56	9	468.61	9	192.59	9		9		9		9		9	
1/4	1,411.74	1/4	1,080.93	1/4	760.12	1/4	462.64	1/4	187.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,404.85	1/2	1,074.04	1/2	753.68	1/2	456.68	1/2	181.60	1/2		1/2		1/2		1/2		1/2	
3/4	1,397.96	3/4	1,067.16	3/4	747.24	3/4	450.71	3/4	176.10	3/4		3/4		3/4		3/4		3/4	
10	1,391.07	10	1,060.27	10	740.80	10	444.74	10	170.61	10		10		10		10		10	
1/4	1,384.17	1/4	1,053.40	1/4	734.41	1/4	438.81	1/4	165.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,377.28	1/2	1,046.54	1/2	728.01	1/2	432.88	1/2	159.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,370.39	3/4	1,039.67	3/4	721.61	3/4	426.96	3/4	154.24	3/4		3/4		3/4		3/4		3/4	
11	1,363.50	11	1,032.80	11	715.22	11	421.03	11	148.78	11		11		11		11		11	
1/4	1,356.61	1/4	1,025.97	1/4	708.87	1/4	415.14	1/4	143.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,349.71	1/2	1,019.13	1/2	702.52	1/2	409.25	1/2	137.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,342.82	3/4	1,012.30	3/4	696.17	3/4	403.36	3/4	132.53	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

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



BARGE "EMS 533"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,294.96	0	3,987.02	0	3,662.49	0	3,331.30	0	3,000.10	0	2,668.89	0	2,337.69	0	2,006.47
1/4		1/4	4,586.84	1/4	4,288.72	1/4	3,980.43	1/4	3,655.60	1/4	3,324.40	1/4	2,993.20	1/4	2,661.99	1/4	2,330.79	1/4	1,999.56
1/2		1/2	4,582.05	1/2	4,282.45	1/2	3,973.80	1/2	3,648.70	1/2	3,317.50	1/2	2,986.30	1/2	2,655.09	1/2	2,323.89	1/2	1,992.66
3/4		3/4	4,577.26	3/4	4,276.18	3/4	3,967.18	3/4	3,641.80	3/4	3,310.60	3/4	2,979.40	3/4	2,648.19	3/4	2,316.99	3/4	1,985.76
1		1	4,572.47	1	4,269.91	1	3,960.55	1	3,634.90	1	3,303.70	1	2,972.50	1	2,641.29	1	2,310.08	1	1,978.85
1/4		1/4	4,567.68	1/4	4,263.64	1/4	3,953.93	1/4	3,628.00	1/4	3,296.80	1/4	2,965.60	1/4	2,634.39	1/4	2,303.18	1/4	1,971.95
1/2		1/2	4,561.60	1/2	4,257.34	1/2	3,947.28	1/2	3,621.10	1/2	3,289.90	1/2	2,958.70	1/2	2,627.49	1/2	2,296.28	1/2	1,965.05
3/4		3/4	4,555.52	3/4	4,251.04	3/4	3,940.63	3/4	3,614.20	3/4	3,283.00	3/4	2,951.80	3/4	2,620.59	3/4	2,289.38	3/4	1,958.15
2		2	4,549.43	2	4,244.75	2	3,933.97	2	3,607.30	2	3,276.10	2	2,944.89	2	2,613.69	2	2,282.48	2	1,951.24
1/4		1/4	4,543.35	1/4	4,238.45	1/4	3,927.32	1/4	3,600.40	1/4	3,269.20	1/4	2,937.99	1/4	2,606.79	1/4	2,275.58	1/4	1,944.34
1/2		1/2	4,536.58	1/2	4,232.13	1/2	3,920.65	1/2	3,593.50	1/2	3,262.30	1/2	2,931.09	1/2	2,599.89	1/2	2,268.68	1/2	1,937.44
3/4		3/4	4,529.80	3/4	4,225.80	3/4	3,913.97	3/4	3,586.60	3/4	3,255.40	3/4	2,924.19	3/4	2,592.99	3/4	2,261.78	3/4	1,930.54
3		3	4,523.03	3	4,219.48	3	3,907.29	3	3,579.70	3	3,248.50	3	2,917.29	3	2,586.09	3	2,254.88	3	1,923.63
1/4		1/4	4,516.25	1/4	4,213.16	1/4	3,900.62	1/4	3,572.80	1/4	3,241.60	1/4	2,910.39	1/4	2,579.19	1/4	2,247.98	1/4	1,916.73
1/2		1/2	4,509.39	1/2	4,206.81	1/2	3,893.91	1/2	3,565.90	1/2	3,234.70	1/2	2,903.49	1/2	2,572.29	1/2	2,241.08	1/2	1,909.83
3/4		3/4	4,502.53	3/4	4,200.46	3/4	3,887.21	3/4	3,559.00	3/4	3,227.80	3/4	2,896.59	3/4	2,565.39	3/4	2,234.18	3/4	1,902.92
4		4	4,495.67	4	4,194.11	4	3,880.51	4	3,552.10	4	3,220.90	4	2,889.69	4	2,558.49	4	2,227.28	4	1,896.02
1/4		1/4	4,488.81	1/4	4,187.76	1/4	3,873.80	1/4	3,545.20	1/4	3,214.00	1/4	2,882.79	1/4	2,551.59	1/4	2,220.38	1/4	1,889.12
1/2		1/2	4,482.15	1/2	4,181.39	1/2	3,867.07	1/2	3,538.30	1/2	3,207.10	1/2	2,875.89	1/2	2,544.69	1/2	2,213.48	1/2	1,882.22
3/4		3/4	4,475.48	3/4	4,175.01	3/4	3,860.34	3/4	3,531.40	3/4	3,200.20	3/4	2,868.99	3/4	2,537.79	3/4	2,206.58	3/4	1,875.31
5		5	4,468.81	5	4,168.64	5	3,853.61	5	3,524.50	5	3,193.30	5	2,862.09	5	2,530.89	5	2,199.68	5	1,868.41
1/4		1/4	4,462.15	1/4	4,162.26	1/4	3,846.88	1/4	3,517.60	1/4	3,186.40	1/4	2,855.19	1/4	2,523.99	1/4	2,192.78	1/4	1,861.51
1/2		1/2	4,455.86	1/2	4,155.86	1/2	3,840.13	1/2	3,510.70	1/2	3,179.50	1/2	2,848.29	1/2	2,517.09	1/2	2,185.88	1/2	1,854.61
3/4		3/4	4,449.57	3/4	4,149.46	3/4	3,833.37	3/4	3,503.80	3/4	3,172.60	3/4	2,841.39	3/4	2,510.19	3/4	2,178.98	3/4	1,847.70
6		6	4,443.29	6	4,143.06	6	3,826.62	6	3,496.90	6	3,165.70	6	2,834.49	6	2,503.29	6	2,172.08	6	1,840.80
1/4		1/4	4,437.00	1/4	4,136.66	1/4	3,819.86	1/4	3,490.00	1/4	3,158.80	1/4	2,827.59	1/4	2,496.39	1/4	2,165.18	1/4	1,833.90
1/2		1/2	4,430.89	1/2	4,130.23	1/2	3,813.08	1/2	3,483.10	1/2	3,151.90	1/2	2,820.69	1/2	2,489.49	1/2	2,158.28	1/2	1,826.99
3/4		3/4	4,424.77	3/4	4,123.80	3/4	3,806.30	3/4	3,476.20	3/4	3,145.00	3/4	2,813.79	3/4	2,482.59	3/4	2,151.38	3/4	1,820.09
7		7	4,418.66	7	4,117.38	7	3,799.51	7	3,469.30	7	3,138.10	7	2,806.89	7	2,475.69	7	2,144.48	7	1,813.19
1/4		1/4	4,412.55	1/4	4,110.95	1/4	3,792.73	1/4	3,462.40	1/4	3,131.20	1/4	2,799.99	1/4	2,468.79	1/4	2,137.58	1/4	1,806.29
1/2		1/2	4,406.41	1/2	4,104.49	1/2	3,785.92	1/2	3,455.50	1/2	3,124.30	1/2	2,793.09	1/2	2,461.89	1/2	2,130.68	1/2	1,799.38
3/4		3/4	4,400.27	3/4	4,098.04	3/4	3,779.12	3/4	3,448.60	3/4	3,117.40	3/4	2,786.19	3/4	2,454.99	3/4	2,123.78	3/4	1,792.48
8		8	4,394.13	8	4,091.59	8	3,772.31	8	3,441.70	8	3,110.50	8	2,779.29	8	2,448.09	8	2,116.88	8	1,785.58
1/4		1/4	4,387.99	1/4	4,085.13	1/4	3,765.50	1/4	3,434.80	1/4	3,103.60	1/4	2,772.39	1/4	2,441.19	1/4	2,109.98	1/4	1,778.68
1/2		1/2	4,381.83	1/2	4,078.65	1/2	3,758.67	1/2	3,427.90	1/2	3,096.70	1/2	2,765.49	1/2	2,434.29	1/2	2,103.08	1/2	1,771.77
3/4		3/4	4,375.66	3/4	4,072.17	3/4	3,751.83	3/4	3,421.00	3/4	3,089.80	3/4	2,758.59	3/4	2,427.39	3/4	2,096.18	3/4	1,764.87
9		9	4,369.50	9	4,065.69	9	3,745.00	9	3,414.10	9	3,082.90	9	2,751.69	9	2,420.49	9	2,089.28	9	1,757.97
1/4		1/4	4,363.33	1/4	4,059.21	1/4	3,738.16	1/4	3,407.20	1/4	3,076.00	1/4	2,744.79	1/4	2,413.59	1/4	2,082.38	1/4	1,751.07
1/2		1/2	4,357.14	1/2	4,052.69	1/2	3,731.30	1/2	3,400.30	1/2	3,069.10	1/2	2,737.89	1/2	2,406.69	1/2	2,075.48	1/2	1,744.16
3/4		3/4	4,350.95	3/4	4,046.16	3/4	3,724.44	3/4	3,393.40	3/4	3,062.20	3/4	2,730.99	3/4	2,399.79	3/4	2,068.58	3/4	1,737.26
10		10	4,344.76	10	4,039.64	10	3,717.58	10	3,386.50	10	3,055.30	10	2,724.09	10	2,392.89	10	2,061.68	10	1,730.36
1/4		1/4	4,338.56	1/4	4,033.11	1/4	3,710.72	1/4	3,379.60	1/4	3,048.40	1/4	2,717.19	1/4	2,385.99	1/4	2,054.78	1/4	1,723.45
1/2		1/2	4,332.35	1/2	4,026.54	1/2	3,703.84	1/2	3,372.70	1/2	3,041.50	1/2	2,710.29	1/2	2,379.09	1/2	2,047.88	1/2	1,716.55
3/4		3/4	4,326.13	3/4	4,019.96	3/4	3,696.95	3/4	3,365.80	3/4	3,034.60	3/4	2,703.39	3/4	2,372.19	3/4	2,040.98	3/4	1,709.65
11		11	4,319.91	11	4,013.39	11	3,690.07	11	3,358.90	11	3,027.70	11	2,696.49	11	2,365.29	11	2,034.08	11	1,702.75
1/4		1/4	4,313.69	1/4	4,006.82	1/4	3,683.18	1/4	3,352.00	1/4	3,020.80	1/4	2,689.59	1/4	2,358.39	1/4	2,027.17	1/4	1,695.84
1/2		1/2	4,307.45	1/2	4,000.22	1/2	3,676.29	1/2	3,345.10	1/2	3,013.90	1/2	2,682.69	1/2	2,351.49	1/2	2,020.27	1/2	1,688.94
3/4		3/4	4,301.21	3/4	3,993.62	3/4	3,669.39	3/4	3,338.20	3/4	3,007.00	3/4	2,675.79	3/4	2,344.59	3/4	2,013.37	3/4	1,682.04

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 533"

1 STBD
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	1,675.14	0	1,343.81	0	1,012.80	0	697.17	0	403.93	0	132.72	0		0		0		0	
1/4	1,668.23	1/4	1,336.90	1/4	1,005.97	1/4	690.83	1/4	398.04	1/4	127.29	1/4		1/4		1/4		1/4	
1/2	1,661.33	1/2	1,330.00	1/2	999.19	1/2	684.52	1/2	392.18	1/2	121.91	1/2		1/2		1/2		1/2	
3/4	1,654.43	3/4	1,323.10	3/4	992.41	3/4	678.21	3/4	386.32	3/4	116.52	3/4		3/4		3/4		3/4	
1	1,647.52	1	1,316.20	1	985.62	1	671.90	1	380.46	1	111.13	1		1		1		1	
1/4	1,640.62	1/4	1,309.29	1/4	978.84	1/4	665.59	1/4	374.60	1/4	105.75	1/4		1/4		1/4		1/4	
1/2	1,633.72	1/2	1,302.39	1/2	972.10	1/2	659.32	1/2	368.78	1/2	100.40	1/2		1/2		1/2		1/2	
3/4	1,626.82	3/4	1,295.49	3/4	965.35	3/4	653.05	3/4	362.97	3/4	95.06	3/4		3/4		3/4		3/4	
2	1,619.91	2	1,288.58	2	958.61	2	646.78	2	357.15	2	89.71	2		2		2		2	
1/4	1,613.01	1/4	1,281.68	1/4	951.87	1/4	640.51	1/4	351.33	1/4	84.37	1/4		1/4		1/4		1/4	
1/2	1,606.11	1/2	1,274.78	1/2	945.16	1/2	634.28	1/2	345.55	1/2	79.06	1/2		1/2		1/2		1/2	
3/4	1,599.21	3/4	1,267.88	3/4	938.46	3/4	628.05	3/4	339.77	3/4	73.75	3/4		3/4		3/4		3/4	
3	1,592.30	3	1,260.97	3	931.75	3	621.82	3	333.99	3	68.45	3		3		3		3	
1/4	1,585.40	1/4	1,254.07	1/4	925.05	1/4	615.59	1/4	328.22	1/4	63.14	1/4		1/4		1/4		1/4	
1/2	1,578.50	1/2	1,247.17	1/2	918.39	1/2	609.40	1/2	322.48	1/2	57.87	1/2		1/2		1/2		1/2	
3/4	1,571.60	3/4	1,240.27	3/4	911.72	3/4	603.21	3/4	316.74	3/4	52.61	3/4		3/4		3/4		3/4	
4	1,564.69	4	1,233.36	4	905.06	4	597.01	4	311.01	4	47.34	4		4		4		4	
1/4	1,557.79	1/4	1,226.46	1/4	898.39	1/4	590.82	1/4	305.27	1/4	42.07	1/4		1/4		1/4		1/4	
1/2	1,550.89	1/2	1,219.56	1/2	891.77	1/2	584.67	1/2	299.58	1/2	37.42	1/2		1/2		1/2		1/2	
3/4	1,543.98	3/4	1,212.65	3/4	885.14	3/4	578.52	3/4	293.88	3/4	32.77	3/4		3/4		3/4		3/4	
5	1,537.08	5	1,205.75	5	878.52	5	572.37	5	288.18	5	28.11	5		5		5		5	
1/4	1,530.18	1/4	1,198.85	1/4	871.89	1/4	566.22	1/4	282.49	1/4	23.46	1/4		1/4		1/4		1/4	
1/2	1,523.28	1/2	1,191.95	1/2	865.30	1/2	560.11	1/2	276.83	1/2	20.14	1/2		1/2		1/2		1/2	
3/4	1,516.37	3/4	1,185.04	3/4	858.72	3/4	554.00	3/4	271.17	3/4	16.81	3/4		3/4		3/4		3/4	
6	1,509.47	6	1,178.14	6	852.13	6	547.89	6	265.51	6	13.48	6		6		6		6	
1/4	1,502.57	1/4	1,171.24	1/4	845.55	1/4	541.78	1/4	259.85	1/4	10.16	1/4		1/4		1/4		1/4	
1/2	1,495.67	1/2	1,164.34	1/2	839.00	1/2	535.71	1/2	254.23	1/2		1/2		1/2		1/2		1/2	
3/4	1,488.76	3/4	1,157.43	3/4	832.45	3/4	529.64	3/4	248.61	3/4		3/4		3/4		3/4		3/4	
7	1,481.86	7	1,150.53	7	825.91	7	523.57	7	242.98	7		7		7		7		7	
1/4	1,474.96	1/4	1,143.63	1/4	819.36	1/4	517.50	1/4	237.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,468.05	1/2	1,136.72	1/2	812.86	1/2	511.46	1/2	231.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,461.15	3/4	1,129.82	3/4	806.35	3/4	505.41	3/4	226.20	3/4		3/4		3/4		3/4		3/4	
8	1,454.25	8	1,122.92	8	799.84	8	499.37	8	220.62	8		8		8		8		8	
1/4	1,447.35	1/4	1,116.02	1/4	793.33	1/4	493.33	1/4	215.03	1/4		1/4		1/4		1/4		1/4	
1/2	1,440.44	1/2	1,109.11	1/2	786.87	1/2	487.32	1/2	209.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,433.54	3/4	1,102.21	3/4	780.40	3/4	481.31	3/4	203.95	3/4		3/4		3/4		3/4		3/4	
9	1,426.64	9	1,095.31	9	773.93	9	475.29	9	198.40	9		9		9		9		9	
1/4	1,419.74	1/4	1,088.41	1/4	767.46	1/4	469.28	1/4	192.86	1/4		1/4		1/4		1/4		1/4	
1/2	1,412.83	1/2	1,081.51	1/2	761.04	1/2	463.30	1/2	187.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,405.93	3/4	1,074.61	3/4	754.61	3/4	457.33	3/4	181.85	3/4		3/4		3/4		3/4		3/4	
10	1,399.03	10	1,067.71	10	748.18	10	451.35	10	176.35	10		10		10		10		10	
1/4	1,392.12	1/4	1,060.81	1/4	741.75	1/4	445.38	1/4	170.85	1/4		1/4		1/4		1/4		1/4	
1/2	1,385.22	1/2	1,053.94	1/2	735.37	1/2	439.44	1/2	165.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,378.32	3/4	1,047.06	3/4	728.98	3/4	433.50	3/4	159.92	3/4		3/4		3/4		3/4		3/4	
11	1,371.42	11	1,040.18	11	722.60	11	427.56	11	154.45	11		11		11		11		11	
1/4	1,364.51	1/4	1,033.30	1/4	716.21	1/4	421.63	1/4	148.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,357.61	1/2	1,026.47	1/2	709.86	1/2	415.73	1/2	143.57	1/2		1/2		1/2		1/2		1/2	
3/4	1,350.71	3/4	1,019.64	3/4	703.52	3/4	409.83	3/4	138.14	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "EMS 533"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	5,207.67	0	4,847.21	0	4,467.31	0	4,079.61	0	3,691.90	0	3,304.19	0	2,916.47	0	2,528.72
1/4		1/4	5,549.34	1/4	5,200.36	1/4	4,839.49	1/4	4,459.24	1/4	4,071.53	1/4	3,683.82	1/4	3,296.11	1/4	2,908.39	1/4	2,520.64
1/2		1/2	5,543.73	1/2	5,193.02	1/2	4,831.73	1/2	4,451.16	1/2	4,063.45	1/2	3,675.74	1/2	3,288.03	1/2	2,900.32	1/2	2,512.56
3/4		3/4	5,538.13	3/4	5,185.68	3/4	4,823.98	3/4	4,443.09	3/4	4,055.38	3/4	3,667.66	3/4	3,279.95	3/4	2,892.24	3/4	2,504.48
1		1	5,532.52	1	5,178.34	1	4,816.22	1	4,435.01	1	4,047.30	1	3,659.59	1	3,271.88	1	2,884.16	1	2,496.40
1/4		1/4	5,526.92	1/4	5,171.00	1/4	4,808.47	1/4	4,426.93	1/4	4,039.22	1/4	3,651.51	1/4	3,263.80	1/4	2,876.08	1/4	2,488.32
1/2		1/2	5,519.79	1/2	5,163.63	1/2	4,800.68	1/2	4,418.85	1/2	4,031.14	1/2	3,643.43	1/2	3,255.72	1/2	2,868.01	1/2	2,480.24
3/4		3/4	5,512.67	3/4	5,156.26	3/4	4,792.89	3/4	4,410.78	3/4	4,023.07	3/4	3,635.36	3/4	3,247.64	3/4	2,859.93	3/4	2,472.16
2		2	5,505.55	2	5,148.89	2	4,785.11	2	4,402.70	2	4,014.99	2	3,627.28	2	3,239.57	2	2,851.85	2	2,464.08
1/4		1/4	5,498.43	1/4	5,141.52	1/4	4,777.32	1/4	4,394.62	1/4	4,006.91	1/4	3,619.20	1/4	3,231.49	1/4	2,843.77	1/4	2,456.00
1/2		1/2	5,490.50	1/2	5,134.12	1/2	4,769.51	1/2	4,386.54	1/2	3,998.83	1/2	3,611.13	1/2	3,223.41	1/2	2,835.70	1/2	2,447.92
3/4		3/4	5,482.57	3/4	5,126.72	3/4	4,761.69	3/4	4,378.47	3/4	3,990.76	3/4	3,603.05	3/4	3,215.33	3/4	2,827.62	3/4	2,439.84
3		3	5,474.64	3	5,119.32	3	4,753.87	3	4,370.39	3	3,982.68	3	3,594.97	3	3,207.26	3	2,819.54	3	2,431.76
1/4		1/4	5,466.71	1/4	5,111.92	1/4	4,746.06	1/4	4,362.31	1/4	3,974.60	1/4	3,586.89	1/4	3,199.18	1/4	2,811.46	1/4	2,423.68
1/2		1/2	5,458.68	1/2	5,104.49	1/2	4,738.21	1/2	4,354.24	1/2	3,966.52	1/2	3,578.82	1/2	3,191.10	1/2	2,803.39	1/2	2,415.60
3/4		3/4	5,450.65	3/4	5,097.06	3/4	4,730.36	3/4	4,346.16	3/4	3,958.45	3/4	3,570.74	3/4	3,183.02	3/4	2,795.31	3/4	2,407.52
4		4	5,442.62	4	5,089.62	4	4,722.52	4	4,338.08	4	3,950.37	4	3,562.66	4	3,174.95	4	2,787.23	4	2,399.44
1/4		1/4	5,434.59	1/4	5,082.19	1/4	4,714.67	1/4	4,330.00	1/4	3,942.29	1/4	3,554.58	1/4	3,166.87	1/4	2,779.15	1/4	2,391.36
1/2		1/2	5,426.78	1/2	5,074.73	1/2	4,706.79	1/2	4,321.93	1/2	3,934.22	1/2	3,546.51	1/2	3,158.79	1/2	2,771.08	1/2	2,383.28
3/4		3/4	5,418.98	3/4	5,067.27	3/4	4,698.91	3/4	4,313.85	3/4	3,926.14	3/4	3,538.43	3/4	3,150.71	3/4	2,763.00	3/4	2,375.19
5		5	5,411.18	5	5,059.80	5	4,691.04	5	4,305.77	5	3,918.06	5	3,530.35	5	3,142.64	5	2,754.92	5	2,367.11
1/4		1/4	5,403.37	1/4	5,052.34	1/4	4,683.16	1/4	4,297.69	1/4	3,909.98	1/4	3,522.28	1/4	3,134.56	1/4	2,746.84	1/4	2,359.03
1/2		1/2	5,396.01	1/2	5,044.85	1/2	4,675.25	1/2	4,289.62	1/2	3,901.91	1/2	3,514.20	1/2	3,126.48	1/2	2,738.77	1/2	2,350.95
3/4		3/4	5,388.65	3/4	5,037.36	3/4	4,667.34	3/4	4,281.54	3/4	3,893.83	3/4	3,506.12	3/4	3,118.41	3/4	2,730.69	3/4	2,342.87
6		6	5,381.30	6	5,029.86	6	4,659.43	6	4,273.46	6	3,885.75	6	3,498.04	6	3,110.33	6	2,722.61	6	2,334.79
1/4		1/4	5,373.94	1/4	5,022.37	1/4	4,651.52	1/4	4,265.38	1/4	3,877.67	1/4	3,489.97	1/4	3,102.25	1/4	2,714.54	1/4	2,326.71
1/2		1/2	5,366.78	1/2	5,014.85	1/2	4,643.58	1/2	4,257.31	1/2	3,869.60	1/2	3,481.89	1/2	3,094.17	1/2	2,706.46	1/2	2,318.63
3/4		3/4	5,359.63	3/4	5,007.32	3/4	4,635.65	3/4	4,249.23	3/4	3,861.52	3/4	3,473.81	3/4	3,086.10	3/4	2,698.38	3/4	2,310.55
7		7	5,352.47	7	4,999.80	7	4,627.71	7	4,241.15	7	3,853.44	7	3,465.73	7	3,078.02	7	2,690.30	7	2,302.47
1/4		1/4	5,345.31	1/4	4,992.27	1/4	4,619.77	1/4	4,233.08	1/4	3,845.37	1/4	3,457.66	1/4	3,069.94	1/4	2,682.23	1/4	2,294.39
1/2		1/2	5,338.13	1/2	4,984.72	1/2	4,611.80	1/2	4,225.00	1/2	3,837.29	1/2	3,449.58	1/2	3,061.86	1/2	2,674.15	1/2	2,286.31
3/4		3/4	5,330.94	3/4	4,977.17	3/4	4,603.83	3/4	4,216.92	3/4	3,829.21	3/4	3,441.50	3/4	3,053.79	3/4	2,666.07	3/4	2,278.23
8		8	5,323.76	8	4,969.61	8	4,595.86	8	4,208.84	8	3,821.13	8	3,433.42	8	3,045.71	8	2,657.99	8	2,270.15
1/4		1/4	5,316.57	1/4	4,962.06	1/4	4,587.89	1/4	4,200.77	1/4	3,813.06	1/4	3,425.35	1/4	3,037.63	1/4	2,649.92	1/4	2,262.07
1/2		1/2	5,309.35	1/2	4,954.47	1/2	4,579.89	1/2	4,192.69	1/2	3,804.98	1/2	3,417.27	1/2	3,029.55	1/2	2,641.84	1/2	2,253.99
3/4		3/4	5,302.14	3/4	4,946.89	3/4	4,571.89	3/4	4,184.61	3/4	3,796.90	3/4	3,409.19	3/4	3,021.48	3/4	2,633.76	3/4	2,245.91
9		9	5,294.92	9	4,939.30	9	4,563.89	9	4,176.53	9	3,788.82	9	3,401.11	9	3,013.40	9	2,625.68	9	2,237.83
1/4		1/4	5,287.70	1/4	4,931.72	1/4	4,555.89	1/4	4,168.46	1/4	3,780.75	1/4	3,393.04	1/4	3,005.32	1/4	2,617.61	1/4	2,229.75
1/2		1/2	5,280.45	1/2	4,924.08	1/2	4,547.85	1/2	4,160.38	1/2	3,772.67	1/2	3,384.96	1/2	2,997.24	1/2	2,609.53	1/2	2,221.67
3/4		3/4	5,273.21	3/4	4,916.44	3/4	4,539.82	3/4	4,152.30	3/4	3,764.59	3/4	3,376.88	3/4	2,989.17	3/4	2,601.45	3/4	2,213.59
10		10	5,265.96	10	4,908.80	10	4,531.79	10	4,144.23	10	3,756.51	10	3,368.80	10	2,981.09	10	2,593.37	10	2,205.51
1/4		1/4	5,258.71	1/4	4,901.16	1/4	4,523.76	1/4	4,136.15	1/4	3,748.44	1/4	3,360.73	1/4	2,973.01	1/4	2,585.30	1/4	2,197.43
1/2		1/2	5,251.43	1/2	4,893.46	1/2	4,515.70	1/2	4,128.07	1/2	3,740.36	1/2	3,352.65	1/2	2,964.93	1/2	2,577.21	1/2	2,189.35
3/4		3/4	5,244.16	3/4	4,885.77	3/4	4,507.65	3/4	4,119.99	3/4	3,732.28	3/4	3,344.57	3/4	2,956.86	3/4	2,569.13	3/4	2,181.27
11		11	5,236.88	11	4,878.08	11	4,499.59	11	4,111.92	11	3,724.21	11	3,336.50	11	2,948.78	11	2,561.05	11	2,173.18
1/4		1/4	5,229.60	1/4	4,870.38	1/4	4,491.53	1/4	4,103.84	1/4	3,716.13	1/4	3,328.42	1/4	2,940.70	1/4	2,552.96	1/4	2,165.10
1/2		1/2	5,222.29	1/2	4,862.66	1/2	4,483.46	1/2	4,095.76	1/2	3,708.05	1/2	3,320.34	1/2	2,932.63	1/2	2,544.88	1/2	2,157.02
3/4		3/4	5,214.98	3/4	4,854.93	3/4	4,475.38	3/4	4,087.68	3/4	3,699.97	3/4	3,312.26	3/4	2,924.55	3/4	2,536.80	3/4	2,148.94

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.

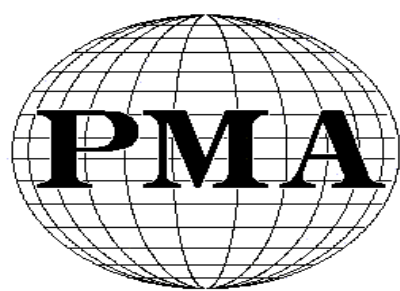
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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 51'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 533"

2 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	2,140.86	0	1,753.00	0	1,365.14	0	977.34	0	590.20	0	202.38	0		0		0		0	
1/4	2,132.78	1/4	1,744.92	1/4	1,357.06	1/4	969.27	1/4	582.11	1/4	194.30	1/4		1/4		1/4		1/4	
1/2	2,124.70	1/2	1,736.84	1/2	1,348.98	1/2	961.22	1/2	574.03	1/2	186.22	1/2		1/2		1/2		1/2	
3/4	2,116.62	3/4	1,728.76	3/4	1,340.90	3/4	953.16	3/4	565.95	3/4	178.14	3/4		3/4		3/4		3/4	
1	2,108.54	1	1,720.68	1	1,332.82	1	945.10	1	557.87	1	170.06	1		1		1		1	
1/4	2,100.46	1/4	1,712.60	1/4	1,324.74	1/4	937.04	1/4	549.79	1/4	161.98	1/4		1/4		1/4		1/4	
1/2	2,092.38	1/2	1,704.52	1/2	1,316.66	1/2	928.98	1/2	541.71	1/2	153.90	1/2		1/2		1/2		1/2	
3/4	2,084.30	3/4	1,696.44	3/4	1,308.58	3/4	920.92	3/4	533.63	3/4	145.82	3/4		3/4		3/4		3/4	
2	2,076.22	2	1,688.36	2	1,300.50	2	912.86	2	525.55	2	137.74	2		2		2		2	
1/4	2,068.14	1/4	1,680.28	1/4	1,292.42	1/4	904.81	1/4	517.47	1/4	129.66	1/4		1/4		1/4		1/4	
1/2	2,060.06	1/2	1,672.20	1/2	1,284.34	1/2	896.75	1/2	509.39	1/2	121.58	1/2		1/2		1/2		1/2	
3/4	2,051.98	3/4	1,664.12	3/4	1,276.26	3/4	888.69	3/4	501.31	3/4	113.50	3/4		3/4		3/4		3/4	
3	2,043.90	3	1,656.04	3	1,268.18	3	880.63	3	493.23	3	105.41	3		3		3		3	
1/4	2,035.82	1/4	1,647.96	1/4	1,260.10	1/4	872.57	1/4	485.16	1/4	97.33	1/4		1/4		1/4		1/4	
1/2	2,027.74	1/2	1,639.88	1/2	1,252.02	1/2	864.51	1/2	477.08	1/2	89.25	1/2		1/2		1/2		1/2	
3/4	2,019.66	3/4	1,631.80	3/4	1,243.94	3/4	856.45	3/4	469.00	3/4	81.17	3/4		3/4		3/4		3/4	
4	2,011.58	4	1,623.72	4	1,235.86	4	848.39	4	460.93	4	73.09	4		4		4		4	
1/4	2,003.50	1/4	1,615.64	1/4	1,227.78	1/4	840.34	1/4	452.85	1/4	65.01	1/4		1/4		1/4		1/4	
1/2	1,995.42	1/2	1,607.56	1/2	1,219.70	1/2	832.28	1/2	444.78	1/2	57.61	1/2		1/2		1/2		1/2	
3/4	1,987.34	3/4	1,599.48	3/4	1,211.62	3/4	824.22	3/4	436.70	3/4	50.20	3/4		3/4		3/4		3/4	
5	1,979.26	5	1,591.40	5	1,203.54	5	816.16	5	428.62	5	42.79	5		5		5		5	
1/4	1,971.17	1/4	1,583.32	1/4	1,195.46	1/4	808.11	1/4	420.55	1/4	35.38	1/4		1/4		1/4		1/4	
1/2	1,963.09	1/2	1,575.24	1/2	1,187.38	1/2	800.05	1/2	412.47	1/2	30.00	1/2		1/2		1/2		1/2	
3/4	1,955.01	3/4	1,567.15	3/4	1,179.30	3/4	792.00	3/4	404.39	3/4	24.61	3/4		3/4		3/4		3/4	
6	1,946.93	6	1,559.07	6	1,171.22	6	783.94	6	396.31	6	19.22	6		6		6		6	
1/4	1,938.85	1/4	1,550.99	1/4	1,163.13	1/4	775.88	1/4	388.23	1/4	13.83	1/4		1/4		1/4		1/4	
1/2	1,930.77	1/2	1,542.91	1/2	1,155.05	1/2	767.83	1/2	380.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,922.69	3/4	1,534.83	3/4	1,146.97	3/4	759.77	3/4	372.07	3/4		3/4		3/4		3/4		3/4	
7	1,914.61	7	1,526.75	7	1,138.89	7	751.71	7	363.99	7		7		7		7		7	
1/4	1,906.53	1/4	1,518.67	1/4	1,130.81	1/4	743.65	1/4	355.91	1/4		1/4		1/4		1/4		1/4	
1/2	1,898.45	1/2	1,510.59	1/2	1,122.73	1/2	735.59	1/2	347.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,890.37	3/4	1,502.51	3/4	1,114.65	3/4	727.52	3/4	339.75	3/4		3/4		3/4		3/4		3/4	
8	1,882.29	8	1,494.43	8	1,106.57	8	719.46	8	331.67	8		8		8		8		8	
1/4	1,874.21	1/4	1,486.35	1/4	1,098.49	1/4	711.39	1/4	323.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,866.13	1/2	1,478.27	1/2	1,090.41	1/2	703.31	1/2	315.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,858.05	3/4	1,470.19	3/4	1,082.33	3/4	695.23	3/4	307.42	3/4		3/4		3/4		3/4		3/4	
9	1,849.97	9	1,462.11	9	1,074.25	9	687.16	9	299.34	9		9		9		9		9	
1/4	1,841.89	1/4	1,454.03	1/4	1,066.17	1/4	679.08	1/4	291.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,833.81	1/2	1,445.95	1/2	1,058.09	1/2	671.00	1/2	283.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,825.73	3/4	1,437.87	3/4	1,050.01	3/4	662.92	3/4	275.10	3/4		3/4		3/4		3/4		3/4	
10	1,817.65	10	1,429.79	10	1,041.93	10	654.84	10	267.02	10		10		10		10		10	
1/4	1,809.57	1/4	1,421.71	1/4	1,033.85	1/4	646.76	1/4	258.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,801.49	1/2	1,413.63	1/2	1,025.77	1/2	638.68	1/2	250.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,793.41	3/4	1,405.55	3/4	1,017.69	3/4	630.60	3/4	242.78	3/4		3/4		3/4		3/4		3/4	
11	1,785.33	11	1,397.47	11	1,009.62	11	622.52	11	234.70	11		11		11		11		11	
1/4	1,777.25	1/4	1,389.39	1/4	1,001.54	1/4	614.44	1/4	226.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,769.16	1/2	1,381.31	1/2	993.47	1/2	606.36	1/2	218.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,761.08	3/4	1,373.23	3/4	985.41	3/4	598.28	3/4	210.46	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "EMS 533"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	5,535.28	0	5,183.46	0	4,821.02	0	4,439.25	0	4,050.33	0	3,661.42	0	3,272.49	0	2,883.57	0	2,494.62
1/4		1/4	5,529.65	1/4	5,176.09	1/4	4,813.24	1/4	4,431.15	1/4	4,042.23	1/4	3,653.32	1/4	3,264.39	1/4	2,875.47	1/4	2,486.52
1/2		1/2	5,524.03	1/2	5,168.73	1/2	4,805.46	1/2	4,423.04	1/2	4,034.13	1/2	3,645.21	1/2	3,256.29	1/2	2,867.37	1/2	2,478.41
3/4		3/4	5,518.41	3/4	5,161.37	3/4	4,797.68	3/4	4,414.94	3/4	4,026.03	3/4	3,637.11	3/4	3,248.19	3/4	2,859.27	3/4	2,470.30
1		1	5,511.26	1	5,153.97	1	4,789.87	1	4,406.84	1	4,017.92	1	3,629.01	1	3,240.08	1	2,851.16	1	2,462.20
1/4		1/4	5,504.12	1/4	5,146.58	1/4	4,782.06	1/4	4,398.74	1/4	4,009.82	1/4	3,620.90	1/4	3,231.98	1/4	2,843.06	1/4	2,454.09
1/2		1/2	5,496.98	1/2	5,139.19	1/2	4,774.25	1/2	4,390.63	1/2	4,001.72	1/2	3,612.80	1/2	3,223.88	1/2	2,834.96	1/2	2,445.99
3/4		3/4	5,489.83	3/4	5,131.79	3/4	4,766.44	3/4	4,382.53	3/4	3,993.62	3/4	3,604.70	3/4	3,215.78	3/4	2,826.86	3/4	2,437.88
2		2	5,481.88	2	5,124.37	2	4,758.60	2	4,374.43	2	3,985.51	2	3,596.59	2	3,207.67	2	2,818.75	2	2,429.78
1/4		1/4	5,473.93	1/4	5,116.94	1/4	4,750.75	1/4	4,366.33	1/4	3,977.41	1/4	3,588.49	1/4	3,199.57	1/4	2,810.65	1/4	2,421.67
1/2		1/2	5,465.97	1/2	5,109.52	1/2	4,742.91	1/2	4,358.22	1/2	3,969.31	1/2	3,580.39	1/2	3,191.47	1/2	2,802.55	1/2	2,413.57
3/4		3/4	5,458.02	3/4	5,102.09	3/4	4,735.07	3/4	4,350.12	3/4	3,961.21	3/4	3,572.29	3/4	3,183.37	3/4	2,794.45	3/4	2,405.46
3		3	5,449.96	3	5,094.64	3	4,727.20	3	4,342.02	3	3,953.10	3	3,564.18	3	3,175.26	3	2,786.34	3	2,397.35
1/4		1/4	5,441.91	1/4	5,087.18	1/4	4,719.33	1/4	4,333.92	1/4	3,945.00	1/4	3,556.08	1/4	3,167.16	1/4	2,778.24	1/4	2,389.25
1/2		1/2	5,433.85	1/2	5,079.73	1/2	4,711.46	1/2	4,325.81	1/2	3,936.90	1/2	3,547.98	1/2	3,159.06	1/2	2,770.14	1/2	2,381.14
3/4		3/4	5,425.80	3/4	5,072.27	3/4	4,703.59	3/4	4,317.71	3/4	3,928.80	3/4	3,539.88	3/4	3,150.96	3/4	2,762.04	3/4	2,373.04
4		4	5,417.97	4	5,064.78	4	4,695.68	4	4,309.61	4	3,920.69	4	3,531.77	4	3,142.85	4	2,753.93	4	2,364.93
1/4		1/4	5,410.14	1/4	5,057.30	1/4	4,687.78	1/4	4,301.51	1/4	3,912.59	1/4	3,523.67	1/4	3,134.75	1/4	2,745.83	1/4	2,356.83
1/2		1/2	5,402.31	1/2	5,049.81	1/2	4,679.88	1/2	4,293.41	1/2	3,904.49	1/2	3,515.57	1/2	3,126.65	1/2	2,737.73	1/2	2,348.72
3/4		3/4	5,394.48	3/4	5,042.33	3/4	4,671.97	3/4	4,285.30	3/4	3,896.39	3/4	3,507.47	3/4	3,118.55	3/4	2,729.63	3/4	2,340.61
5		5	5,387.10	5	5,034.81	5	4,664.04	5	4,277.20	5	3,888.29	5	3,499.36	5	3,110.44	5	2,721.52	5	2,332.51
1/4		1/4	5,379.72	1/4	5,027.29	1/4	4,656.11	1/4	4,269.10	1/4	3,880.18	1/4	3,491.26	1/4	3,102.34	1/4	2,713.42	1/4	2,324.40
1/2		1/2	5,372.34	1/2	5,019.78	1/2	4,648.18	1/2	4,261.00	1/2	3,872.08	1/2	3,483.16	1/2	3,094.24	1/2	2,705.32	1/2	2,316.30
3/4		3/4	5,364.95	3/4	5,012.26	3/4	4,640.24	3/4	4,252.89	3/4	3,863.98	3/4	3,475.06	3/4	3,086.14	3/4	2,697.22	3/4	2,308.19
6		6	5,357.77	6	5,004.71	6	4,632.28	6	4,244.79	6	3,855.88	6	3,466.95	6	3,078.03	6	2,689.11	6	2,300.09
1/4		1/4	5,350.60	1/4	4,997.16	1/4	4,624.31	1/4	4,236.69	1/4	3,847.77	1/4	3,458.85	1/4	3,069.93	1/4	2,681.01	1/4	2,291.98
1/2		1/2	5,343.42	1/2	4,989.61	1/2	4,616.35	1/2	4,228.59	1/2	3,839.67	1/2	3,450.75	1/2	3,061.83	1/2	2,672.91	1/2	2,283.88
3/4		3/4	5,336.24	3/4	4,982.07	3/4	4,608.39	3/4	4,220.48	3/4	3,831.57	3/4	3,442.65	3/4	3,053.73	3/4	2,664.81	3/4	2,275.77
7		7	5,329.03	7	4,974.49	7	4,600.39	7	4,212.38	7	3,823.47	7	3,434.54	7	3,045.62	7	2,656.70	7	2,267.66
1/4		1/4	5,321.82	1/4	4,966.91	1/4	4,592.40	1/4	4,204.28	1/4	3,815.36	1/4	3,426.44	1/4	3,037.52	1/4	2,648.60	1/4	2,259.56
1/2		1/2	5,314.61	1/2	4,959.33	1/2	4,584.40	1/2	4,196.18	1/2	3,807.26	1/2	3,418.34	1/2	3,029.42	1/2	2,640.50	1/2	2,251.45
3/4		3/4	5,307.40	3/4	4,951.75	3/4	4,576.41	3/4	4,188.07	3/4	3,799.16	3/4	3,410.24	3/4	3,021.32	3/4	2,632.40	3/4	2,243.35
8		8	5,300.16	8	4,944.14	8	4,568.38	8	4,179.97	8	3,791.06	8	3,402.13	8	3,013.21	8	2,624.29	8	2,235.24
1/4		1/4	5,292.92	1/4	4,936.53	1/4	4,560.36	1/4	4,171.87	1/4	3,782.95	1/4	3,394.03	1/4	3,005.11	1/4	2,616.19	1/4	2,227.14
1/2		1/2	5,285.68	1/2	4,928.93	1/2	4,552.33	1/2	4,163.77	1/2	3,774.85	1/2	3,385.93	1/2	2,997.01	1/2	2,608.09	1/2	2,219.03
3/4		3/4	5,278.44	3/4	4,921.32	3/4	4,544.30	3/4	4,155.66	3/4	3,766.75	3/4	3,377.83	3/4	2,988.91	3/4	2,599.99	3/4	2,210.93
9		9	5,271.17	9	4,913.65	9	4,536.25	9	4,147.56	9	3,758.65	9	3,369.72	9	2,980.80	9	2,591.88	9	2,202.82
1/4		1/4	5,263.90	1/4	4,905.99	1/4	4,528.19	1/4	4,139.46	1/4	3,750.54	1/4	3,361.62	1/4	2,972.70	1/4	2,583.78	1/4	2,194.71
1/2		1/2	5,256.63	1/2	4,898.33	1/2	4,520.14	1/2	4,131.36	1/2	3,742.44	1/2	3,353.52	1/2	2,964.60	1/2	2,575.68	1/2	2,186.61
3/4		3/4	5,249.36	3/4	4,890.66	3/4	4,512.08	3/4	4,123.25	3/4	3,734.34	3/4	3,345.42	3/4	2,956.50	3/4	2,567.58	3/4	2,178.50
10		10	5,242.06	10	4,882.94	10	4,504.00	10	4,115.15	10	3,726.24	10	3,337.31	10	2,948.39	10	2,559.47	10	2,170.40
1/4		1/4	5,234.75	1/4	4,875.23	1/4	4,495.91	1/4	4,107.05	1/4	3,718.13	1/4	3,329.21	1/4	2,940.29	1/4	2,551.36	1/4	2,162.29
1/2		1/2	5,227.45	1/2	4,867.51	1/2	4,487.83	1/2	4,098.95	1/2	3,710.03	1/2	3,321.11	1/2	2,932.19	1/2	2,543.26	1/2	2,154.19
3/4		3/4	5,220.15	3/4	4,859.79	3/4	4,479.75	3/4	4,090.85	3/4	3,701.93	3/4	3,313.01	3/4	2,924.09	3/4	2,535.15	3/4	2,146.08
11		11	5,212.82	11	4,852.04	11	4,471.65	11	4,082.74	11	3,693.83	11	3,304.90	11	2,915.98	11	2,527.04	11	2,137.97
1/4		1/4	5,205.49	1/4	4,844.29	1/4	4,463.55	1/4	4,074.64	1/4	3,685.73	1/4	3,296.80	1/4	2,907.88	1/4	2,518.94	1/4	2,129.87
1/2		1/2	5,198.15	1/2	4,836.54	1/2	4,455.45	1/2	4,066.54	1/2	3,677.62	1/2	3,288.70	1/2	2,899.78	1/2	2,510.83	1/2	2,121.76
3/4	5,540.90	3/4	5,190.82	3/4	4,828.79	3/4	4,447.35	3/4	4,058.44	3/4	3,669.52	3/4	3,280.60	3/4	2,891.68	3/4	2,502.73	3/4	2,113.66

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.

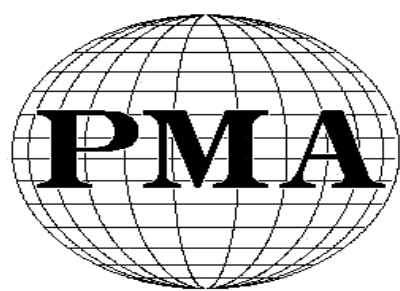
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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 51'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 533"

2 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	2,105.55	0	1,716.48	0	1,327.57	0	952.85	0	575.82	0	186.79	0		0		0		0	
1/4	2,097.45	1/4	1,708.38	1/4	1,319.62	1/4	945.08	1/4	567.71	1/4	178.69	1/4		1/4		1/4		1/4	
1/2	2,089.34	1/2	1,700.27	1/2	1,311.67	1/2	937.30	1/2	559.61	1/2	170.58	1/2		1/2		1/2		1/2	
3/4	2,081.24	3/4	1,692.17	3/4	1,303.72	3/4	929.52	3/4	551.50	3/4	162.48	3/4		3/4		3/4		3/4	
1	2,073.13	1	1,684.06	1	1,295.92	1	921.75	1	543.39	1	154.37	1		1		1		1	
1/4	2,065.02	1/4	1,675.96	1/4	1,288.12	1/4	913.97	1/4	535.29	1/4	146.27	1/4		1/4		1/4		1/4	
1/2	2,056.92	1/2	1,667.85	1/2	1,280.32	1/2	906.19	1/2	527.18	1/2	138.16	1/2		1/2		1/2		1/2	
3/4	2,048.81	3/4	1,659.74	3/4	1,272.52	3/4	898.41	3/4	519.08	3/4	130.05	3/4		3/4		3/4		3/4	
2	2,040.71	2	1,651.64	2	1,264.72	2	890.64	2	510.97	2	121.95	2		2		2		2	
1/4	2,032.60	1/4	1,643.53	1/4	1,256.92	1/4	882.86	1/4	502.87	1/4	113.84	1/4		1/4		1/4		1/4	
1/2	2,024.50	1/2	1,635.43	1/2	1,249.12	1/2	875.08	1/2	494.77	1/2	105.74	1/2		1/2		1/2		1/2	
3/4	2,016.39	3/4	1,627.32	3/4	1,241.32	3/4	867.31	3/4	486.66	3/4	97.63	3/4		3/4		3/4		3/4	
3	2,008.29	3	1,619.22	3	1,233.52	3	859.53	3	478.56	3	89.53	3		3		3		3	
1/4	2,000.18	1/4	1,611.11	1/4	1,225.73	1/4	851.75	1/4	470.46	1/4	81.42	1/4		1/4		1/4		1/4	
1/2	1,992.07	1/2	1,603.01	1/2	1,217.93	1/2	843.98	1/2	462.36	1/2	73.31	1/2		1/2		1/2		1/2	
3/4	1,983.97	3/4	1,594.90	3/4	1,210.13	3/4	836.20	3/4	454.26	3/4	65.21	3/4		3/4		3/4		3/4	
4	1,975.86	4	1,586.79	4	1,202.33	4	828.42	4	446.16	4	57.78	4		4		4		4	
1/4	1,967.76	1/4	1,578.69	1/4	1,194.53	1/4	820.65	1/4	438.05	1/4	50.35	1/4		1/4		1/4		1/4	
1/2	1,959.65	1/2	1,570.58	1/2	1,186.73	1/2	812.87	1/2	429.95	1/2	42.92	1/2		1/2		1/2		1/2	
3/4	1,951.55	3/4	1,562.48	3/4	1,178.93	3/4	805.10	3/4	421.85	3/4	35.49	3/4		3/4		3/4		3/4	
5	1,943.44	5	1,554.37	5	1,171.13	5	797.32	5	413.75	5	30.09	5		5		5		5	
1/4	1,935.33	1/4	1,546.27	1/4	1,163.33	1/4	789.55	1/4	405.64	1/4	24.68	1/4		1/4		1/4		1/4	
1/2	1,927.23	1/2	1,538.16	1/2	1,155.53	1/2	781.77	1/2	397.54	1/2	19.28	1/2		1/2		1/2		1/2	
3/4	1,919.12	3/4	1,530.05	3/4	1,147.74	3/4	774.00	3/4	389.43	3/4	13.88	3/4		3/4		3/4		3/4	
6	1,911.02	6	1,521.95	6	1,139.94	6	766.22	6	381.33	6		6		6		6		6	
1/4	1,902.91	1/4	1,513.84	1/4	1,132.14	1/4	758.45	1/4	373.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,894.81	1/2	1,505.74	1/2	1,124.34	1/2	750.67	1/2	365.12	1/2		1/2		1/2		1/2		1/2	
3/4	1,886.70	3/4	1,497.63	3/4	1,116.54	3/4	742.90	3/4	357.01	3/4		3/4		3/4		3/4		3/4	
7	1,878.60	7	1,489.53	7	1,108.74	7	735.11	7	348.91	7		7		7		7		7	
1/4	1,870.49	1/4	1,481.42	1/4	1,100.94	1/4	727.33	1/4	340.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,862.38	1/2	1,473.32	1/2	1,093.14	1/2	719.54	1/2	332.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,854.28	3/4	1,465.21	3/4	1,085.34	3/4	711.76	3/4	324.59	3/4		3/4		3/4		3/4		3/4	
8	1,846.17	8	1,457.10	8	1,077.54	8	703.96	8	316.48	8		8		8		8		8	
1/4	1,838.07	1/4	1,449.00	1/4	1,069.75	1/4	696.17	1/4	308.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,829.96	1/2	1,440.89	1/2	1,061.95	1/2	688.37	1/2	300.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,821.86	3/4	1,432.79	3/4	1,054.15	3/4	680.58	3/4	292.17	3/4		3/4		3/4		3/4		3/4	
9	1,813.75	9	1,424.68	9	1,046.35	9	672.62	9	284.06	9		9		9		9		9	
1/4	1,805.65	1/4	1,416.58	1/4	1,038.55	1/4	664.67	1/4	275.95	1/4		1/4		1/4		1/4		1/4	
1/2	1,797.54	1/2	1,408.47	1/2	1,030.75	1/2	656.72	1/2	267.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,789.43	3/4	1,400.37	3/4	1,022.95	3/4	648.77	3/4	259.74	3/4		3/4		3/4		3/4		3/4	
10	1,781.33	10	1,392.26	10	1,015.16	10	640.66	10	251.64	10		10		10		10		10	
1/4	1,773.22	1/4	1,384.15	1/4	1,007.36	1/4	632.56	1/4	243.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,765.12	1/2	1,376.05	1/2	999.56	1/2	624.45	1/2	235.43	1/2		1/2		1/2		1/2		1/2	
3/4	1,757.01	3/4	1,367.94	3/4	991.77	3/4	616.35	3/4	227.32	3/4		3/4		3/4		3/4		3/4	
11	1,748.91	11	1,359.84	11	983.98	11	608.24	11	219.22	11		11		11		11		11	
1/4	1,740.80	1/4	1,351.73	1/4	976.20	1/4	600.13	1/4	211.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,732.69	1/2	1,343.63	1/2	968.41	1/2	592.03	1/2	203.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,724.59	3/4	1,335.52	3/4	960.63	3/4	583.92	3/4	194.90	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "EMS 533"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,428.67	0	4,267.22	0	4,092.55	0	3,900.23	0	3,700.95	0	3,422.70	0	3,062.17	0	2,700.98	0	2,339.68
1/4		1/4	4,426.88	1/4	4,263.74	1/4	4,088.70	1/4	3,896.08	1/4	3,696.80	1/4	3,415.29	1/4	3,054.65	1/4	2,693.46	1/4	2,332.15
1/2		1/2	4,425.08	1/2	4,260.27	1/2	4,084.85	1/2	3,891.93	1/2	3,692.64	1/2	3,407.87	1/2	3,047.12	1/2	2,685.93	1/2	2,324.61
3/4		3/4	4,423.29	3/4	4,256.80	3/4	4,080.99	3/4	3,887.77	3/4	3,688.49	3/4	3,400.46	3/4	3,039.60	3/4	2,678.41	3/4	2,317.08
1		1	4,421.50	1	4,253.32	1	4,077.14	1	3,883.62	1	3,684.34	1	3,393.04	1	3,032.08	1	2,670.88	1	2,309.54
1/4		1/4	4,418.29	1/4	4,249.82	1/4	4,073.26	1/4	3,879.47	1/4	3,680.19	1/4	3,385.57	1/4	3,024.55	1/4	2,663.36	1/4	2,302.01
1/2		1/2	4,415.09	1/2	4,246.31	1/2	4,069.38	1/2	3,875.32	1/2	3,676.04	1/2	3,378.10	1/2	3,017.03	1/2	2,655.84	1/2	2,294.48
3/4		3/4	4,411.88	3/4	4,242.81	3/4	4,065.50	3/4	3,871.17	3/4	3,671.89	3/4	3,370.64	3/4	3,009.50	3/4	2,648.31	3/4	2,286.94
2		2	4,408.68	2	4,239.31	2	4,061.62	2	3,867.02	2	3,667.73	2	3,363.17	2	3,001.98	2	2,640.79	2	2,279.41
1/4		1/4	4,404.72	1/4	4,235.78	1/4	4,057.72	1/4	3,862.86	1/4	3,663.58	1/4	3,355.64	1/4	2,994.45	1/4	2,633.26	1/4	2,271.87
1/2		1/2	4,400.76	1/2	4,232.24	1/2	4,053.81	1/2	3,858.71	1/2	3,659.43	1/2	3,348.12	1/2	2,986.93	1/2	2,625.74	1/2	2,264.34
3/4		3/4	4,396.80	3/4	4,228.71	3/4	4,049.90	3/4	3,854.56	3/4	3,655.28	3/4	3,340.59	3/4	2,979.40	3/4	2,618.21	3/4	2,256.80
3		3	4,392.84	3	4,225.18	3	4,045.99	3	3,850.41	3	3,651.13	3	3,333.07	3	2,971.88	3	2,610.69	3	2,249.27
1/4		1/4	4,388.79	1/4	4,221.62	1/4	4,042.05	1/4	3,846.26	1/4	3,646.98	1/4	3,325.54	1/4	2,964.35	1/4	2,603.16	1/4	2,241.74
1/2		1/2	4,384.73	1/2	4,218.06	1/2	4,038.12	1/2	3,842.11	1/2	3,642.82	1/2	3,318.02	1/2	2,956.83	1/2	2,595.64	1/2	2,234.22
3/4		3/4	4,380.68	3/4	4,214.50	3/4	4,034.18	3/4	3,837.95	3/4	3,638.67	3/4	3,310.49	3/4	2,949.30	3/4	2,588.11	3/4	2,226.69
4		4	4,376.63	4	4,210.94	4	4,030.24	4	3,833.80	4	3,634.52	4	3,302.97	4	2,941.78	4	2,580.59	4	2,219.17
1/4		1/4	4,372.78	1/4	4,207.35	1/4	4,026.28	1/4	3,829.65	1/4	3,630.37	1/4	3,295.44	1/4	2,934.25	1/4	2,573.06	1/4	2,211.65
1/2		1/2	4,368.94	1/2	4,203.76	1/2	4,022.31	1/2	3,825.50	1/2	3,626.22	1/2	3,287.92	1/2	2,926.73	1/2	2,565.54	1/2	2,204.13
3/4		3/4	4,365.10	3/4	4,200.17	3/4	4,018.35	3/4	3,821.35	3/4	3,622.07	3/4	3,280.39	3/4	2,919.20	3/4	2,558.01	3/4	2,196.62
5		5	4,361.26	5	4,196.58	5	4,014.38	5	3,817.20	5	3,617.91	5	3,272.87	5	2,911.68	5	2,550.49	5	2,189.10
1/4		1/4	4,357.83	1/4	4,192.96	1/4	4,010.39	1/4	3,813.04	1/4	3,613.27	1/4	3,265.34	1/4	2,904.15	1/4	2,542.96	1/4	2,181.58
1/2		1/2	4,354.40	1/2	4,189.34	1/2	4,006.39	1/2	3,808.89	1/2	3,608.63	1/2	3,257.82	1/2	2,896.63	1/2	2,535.44	1/2	2,174.06
3/4		3/4	4,350.98	3/4	4,185.73	3/4	4,002.40	3/4	3,804.74	3/4	3,603.99	3/4	3,250.29	3/4	2,889.10	3/4	2,527.91	3/4	2,166.54
6		6	4,347.55	6	4,182.11	6	3,998.41	6	3,800.59	6	3,599.35	6	3,242.77	6	2,881.58	6	2,520.39	6	2,159.03
1/4		1/4	4,344.31	1/4	4,178.46	1/4	3,994.38	1/4	3,796.44	1/4	3,592.31	1/4	3,235.24	1/4	2,874.05	1/4	2,512.86	1/4	2,151.51
1/2		1/2	4,341.08	1/2	4,174.82	1/2	3,990.36	1/2	3,792.29	1/2	3,585.27	1/2	3,227.72	1/2	2,866.53	1/2	2,505.34	1/2	2,143.99
3/4		3/4	4,337.84	3/4	4,171.17	3/4	3,986.34	3/4	3,788.13	3/4	3,578.23	3/4	3,220.20	3/4	2,859.00	3/4	2,497.81	3/4	2,136.47
7		7	4,334.60	7	4,167.52	7	3,982.31	7	3,783.98	7	3,571.19	7	3,212.67	7	2,851.48	7	2,490.29	7	2,128.96
1/4		1/4	4,331.34	1/4	4,163.85	1/4	3,978.26	1/4	3,779.83	1/4	3,563.73	1/4	3,205.15	1/4	2,843.96	1/4	2,482.76	1/4	2,121.44
1/2		1/2	4,328.07	1/2	4,160.17	1/2	3,974.21	1/2	3,775.68	1/2	3,556.26	1/2	3,197.62	1/2	2,836.43	1/2	2,475.24	1/2	2,113.92
3/4		3/4	4,324.80	3/4	4,156.50	3/4	3,970.16	3/4	3,771.53	3/4	3,548.79	3/4	3,190.10	3/4	2,828.91	3/4	2,467.72	3/4	2,106.40
8		8	4,321.54	8	4,152.82	8	3,966.11	8	3,767.37	8	3,541.32	8	3,182.57	8	2,821.38	8	2,460.19	8	2,098.89
1/4		1/4	4,318.21	1/4	4,149.12	1/4	3,962.03	1/4	3,763.22	1/4	3,533.91	1/4	3,175.05	1/4	2,813.86	1/4	2,452.66	1/4	2,091.37
1/2		1/2	4,314.88	1/2	4,145.41	1/2	3,957.95	1/2	3,759.07	1/2	3,526.49	1/2	3,167.52	1/2	2,806.33	1/2	2,445.13	1/2	2,083.85
3/4		3/4	4,311.56	3/4	4,141.71	3/4	3,953.87	3/4	3,754.92	3/4	3,519.08	3/4	3,160.00	3/4	2,798.81	3/4	2,437.60	3/4	2,076.33
9		9	4,308.23	9	4,138.01	9	3,949.79	9	3,750.77	9	3,511.67	9	3,152.47	9	2,791.28	9	2,430.08	9	2,068.81
1/4		1/4	4,304.84	1/4	4,134.26	1/4	3,945.68	1/4	3,746.62	1/4	3,504.25	1/4	3,144.95	1/4	2,783.76	1/4	2,422.54	1/4	2,061.30
1/2		1/2	4,301.45	1/2	4,130.51	1/2	3,941.57	1/2	3,742.46	1/2	3,496.84	1/2	3,137.42	1/2	2,776.23	1/2	2,415.01	1/2	2,053.78
3/4		3/4	4,298.06	3/4	4,126.76	3/4	3,937.46	3/4	3,738.31	3/4	3,489.42	3/4	3,129.90	3/4	2,768.71	3/4	2,407.48	3/4	2,046.26
10		10	4,294.67	10	4,123.01	10	3,933.35	10	3,734.16	10	3,482.01	10	3,122.37	10	2,761.18	10	2,399.95	10	2,038.74
1/4		1/4	4,291.26	1/4	4,119.22	1/4	3,929.22	1/4	3,730.01	1/4	3,474.60	1/4	3,114.85	1/4	2,753.66	1/4	2,392.42	1/4	2,031.23
1/2		1/2	4,287.84	1/2	4,115.42	1/2	3,925.09	1/2	3,725.86	1/2	3,467.18	1/2	3,107.32	1/2	2,746.13	1/2	2,384.88	1/2	2,023.71
3/4		3/4	4,284.42	3/4	4,111.63	3/4	3,920.95	3/4	3,721.71	3/4	3,459.77	3/4	3,099.80	3/4	2,738.61	3/4	2,377.35	3/4	2,016.19
11		11	4,281.00	11	4,107.84	11	3,916.82	11	3,717.55	11	3,452.36	11	3,092.27	11	2,731.08	11	2,369.82	11	2,008.67
1/4		1/4	4,277.56	1/4	4,104.01	1/4	3,912.67	1/4	3,713.40	1/4	3,444.94	1/4	3,084.75	1/4	2,723.56	1/4	2,362.28	1/4	2,001.16
1/2		1/2	4,274.11	1/2	4,100.19	1/2	3,908.52	1/2	3,709.25	1/2	3,437.53	1/2	3,077.22	1/2	2,716.03	1/2	2,354.75	1/2	1,993.64
3/4		3/4	4,270.67	3/4	4,096.37	3/4	3,904.38	3/4	3,705.10	3/4	3,430.11	3/4	3,069.70	3/4	2,708.51	3/4	2,347.21	3/4	1,986.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

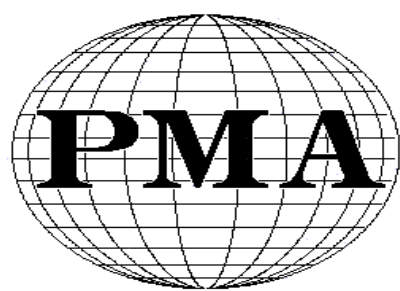
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 533"

3 PORT
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	1,978.60	0	1,617.31	0	1,255.82	0	896.32	0	542.81	0	181.19	0		0		0		0	
1/4	1,971.08	1/4	1,609.78	1/4	1,248.29	1/4	889.00	1/4	535.27	1/4	173.66	1/4		1/4		1/4		1/4	
1/2	1,963.57	1/2	1,602.25	1/2	1,240.76	1/2	881.68	1/2	527.74	1/2	166.12	1/2		1/2		1/2		1/2	
3/4	1,956.05	3/4	1,594.72	3/4	1,233.23	3/4	874.37	3/4	520.20	3/4	158.59	3/4		3/4		3/4		3/4	
1	1,948.53	1	1,587.18	1	1,225.70	1	867.05	1	512.67	1	151.05	1		1		1		1	
1/4	1,941.01	1/4	1,579.65	1/4	1,218.17	1/4	859.73	1/4	505.13	1/4	143.52	1/4		1/4		1/4		1/4	
1/2	1,933.50	1/2	1,572.12	1/2	1,210.63	1/2	852.41	1/2	497.60	1/2	135.98	1/2		1/2		1/2		1/2	
3/4	1,925.98	3/4	1,564.59	3/4	1,203.10	3/4	845.10	3/4	490.07	3/4	128.45	3/4		3/4		3/4		3/4	
2	1,918.46	2	1,557.06	2	1,195.57	2	837.78	2	482.53	2	120.92	2		2		2		2	
1/4	1,910.94	1/4	1,549.53	1/4	1,188.04	1/4	830.46	1/4	475.00	1/4	113.38	1/4		1/4		1/4		1/4	
1/2	1,903.42	1/2	1,542.00	1/2	1,180.51	1/2	823.15	1/2	467.46	1/2	105.85	1/2		1/2		1/2		1/2	
3/4	1,895.91	3/4	1,534.47	3/4	1,172.98	3/4	815.83	3/4	459.93	3/4	98.31	3/4		3/4		3/4		3/4	
3	1,888.39	3	1,526.94	3	1,165.45	3	808.51	3	452.40	3	90.78	3		3		3		3	
1/4	1,880.87	1/4	1,519.41	1/4	1,157.91	1/4	801.20	1/4	444.87	1/4	83.24	1/4		1/4		1/4		1/4	
1/2	1,873.34	1/2	1,511.88	1/2	1,150.38	1/2	793.88	1/2	437.34	1/2	75.71	1/2		1/2		1/2		1/2	
3/4	1,865.82	3/4	1,504.34	3/4	1,142.85	3/4	786.56	3/4	429.81	3/4	68.17	3/4		3/4		3/4		3/4	
4	1,858.30	4	1,496.81	4	1,135.32	4	779.25	4	422.28	4	60.64	4		4		4		4	
1/4	1,850.77	1/4	1,489.28	1/4	1,127.79	1/4	771.93	1/4	414.75	1/4	53.73	1/4		1/4		1/4		1/4	
1/2	1,843.23	1/2	1,481.75	1/2	1,120.26	1/2	764.62	1/2	407.22	1/2	46.82	1/2		1/2		1/2		1/2	
3/4	1,835.70	3/4	1,474.22	3/4	1,112.73	3/4	757.30	3/4	399.69	3/4	39.92	3/4		3/4		3/4		3/4	
5	1,828.17	5	1,466.69	5	1,105.20	5	749.99	5	392.16	5	33.01	5		5		5		5	
1/4	1,820.64	1/4	1,459.16	1/4	1,097.66	1/4	742.67	1/4	384.62	1/4	27.99	1/4		1/4		1/4		1/4	
1/2	1,813.11	1/2	1,451.63	1/2	1,090.13	1/2	735.36	1/2	377.09	1/2	22.97	1/2		1/2		1/2		1/2	
3/4	1,805.58	3/4	1,444.10	3/4	1,082.60	3/4	728.04	3/4	369.56	3/4	17.94	3/4		3/4		3/4		3/4	
6	1,798.05	6	1,436.57	6	1,075.07	6	720.73	6	362.03	6	12.92	6		6		6		6	
1/4	1,790.52	1/4	1,429.04	1/4	1,067.54	1/4	713.42	1/4	354.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,782.99	1/2	1,421.50	1/2	1,060.01	1/2	706.10	1/2	346.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,775.46	3/4	1,413.97	3/4	1,052.48	3/4	698.78	3/4	339.42	3/4		3/4		3/4		3/4		3/4	
7	1,767.93	7	1,406.44	7	1,044.94	7	691.47	7	331.89	7		7		7		7		7	
1/4	1,760.40	1/4	1,398.91	1/4	1,037.41	1/4	684.14	1/4	324.35	1/4		1/4		1/4		1/4		1/4	
1/2	1,752.86	1/2	1,391.38	1/2	1,029.88	1/2	676.82	1/2	316.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,745.33	3/4	1,383.85	3/4	1,022.35	3/4	669.50	3/4	309.28	3/4		3/4		3/4		3/4		3/4	
8	1,737.80	8	1,376.32	8	1,014.82	8	662.17	8	301.75	8		8		8		8		8	
1/4	1,730.27	1/4	1,368.79	1/4	1,007.29	1/4	654.84	1/4	294.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,722.74	1/2	1,361.26	1/2	999.76	1/2	647.50	1/2	286.68	1/2		1/2		1/2		1/2		1/2	
3/4	1,715.21	3/4	1,353.73	3/4	992.22	3/4	640.17	3/4	279.14	3/4		3/4		3/4		3/4		3/4	
9	1,707.68	9	1,346.20	9	984.69	9	632.83	9	271.61	9		9		9		9		9	
1/4	1,700.15	1/4	1,338.66	1/4	977.26	1/4	625.39	1/4	264.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,692.62	1/2	1,331.13	1/2	969.82	1/2	617.96	1/2	256.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,685.09	3/4	1,323.60	3/4	962.39	3/4	610.52	3/4	249.01	3/4		3/4		3/4		3/4		3/4	
10	1,677.56	10	1,316.07	10	954.95	10	603.09	10	241.47	10		10		10		10		10	
1/4	1,670.02	1/4	1,308.54	1/4	947.62	1/4	595.55	1/4	233.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,662.49	1/2	1,301.01	1/2	940.28	1/2	588.02	1/2	226.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,654.96	3/4	1,293.48	3/4	932.95	3/4	580.48	3/4	218.87	3/4		3/4		3/4		3/4		3/4	
11	1,647.43	11	1,285.95	11	925.61	11	572.95	11	211.33	11		11		11		11		11	
1/4	1,639.90	1/4	1,278.42	1/4	918.29	1/4	565.41	1/4	203.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,632.37	1/2	1,270.89	1/2	910.96	1/2	557.88	1/2	196.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,624.84	3/4	1,263.35	3/4	903.64	3/4	550.34	3/4	188.73	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

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



BARGE "EMS 533"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,404.21	0	4,240.47	0	4,064.82	0	3,871.67	0	3,671.87	0	3,390.28	0	3,030.38	0	2,669.94	0	2,309.52
1/4		1/4	4,402.40	1/4	4,236.98	1/4	4,060.96	1/4	3,867.50	1/4	3,667.71	1/4	3,382.88	1/4	3,022.88	1/4	2,662.43	1/4	2,302.00
1/2		1/2	4,400.60	1/2	4,233.49	1/2	4,057.10	1/2	3,863.34	1/2	3,663.55	1/2	3,375.48	1/2	3,015.37	1/2	2,654.92	1/2	2,294.48
3/4		3/4	4,398.79	3/4	4,230.01	3/4	4,053.24	3/4	3,859.18	3/4	3,659.38	3/4	3,368.08	3/4	3,007.86	3/4	2,647.41	3/4	2,286.96
1		1	4,395.58	1	4,226.49	1	4,049.34	1	3,855.02	1	3,655.22	1	3,360.63	1	3,000.35	1	2,639.90	1	2,279.44
1/4		1/4	4,392.36	1/4	4,222.97	1/4	4,045.45	1/4	3,850.86	1/4	3,651.06	1/4	3,353.17	1/4	2,992.84	1/4	2,632.40	1/4	2,271.92
1/2		1/2	4,389.14	1/2	4,219.46	1/2	4,041.56	1/2	3,846.69	1/2	3,646.90	1/2	3,345.72	1/2	2,985.33	1/2	2,624.89	1/2	2,264.40
3/4		3/4	4,385.93	3/4	4,215.94	3/4	4,037.67	3/4	3,842.53	3/4	3,642.74	3/4	3,338.27	3/4	2,977.82	3/4	2,617.38	3/4	2,256.88
2		2	4,381.96	2	4,212.40	2	4,033.75	2	3,838.37	2	3,638.57	2	3,330.76	2	2,970.31	2	2,609.88	2	2,249.36
1/4		1/4	4,377.99	1/4	4,208.85	1/4	4,029.83	1/4	3,834.21	1/4	3,634.41	1/4	3,323.25	1/4	2,962.80	1/4	2,602.38	1/4	2,241.84
1/2		1/2	4,374.02	1/2	4,205.31	1/2	4,025.91	1/2	3,830.04	1/2	3,630.25	1/2	3,315.74	1/2	2,955.29	1/2	2,594.87	1/2	2,234.32
3/4		3/4	4,370.05	3/4	4,201.76	3/4	4,021.99	3/4	3,825.88	3/4	3,626.09	3/4	3,308.23	3/4	2,947.78	3/4	2,587.37	3/4	2,226.80
3		3	4,365.98	3	4,198.19	3	4,018.04	3	3,821.72	3	3,621.92	3	3,300.72	3	2,940.27	3	2,579.86	3	2,219.29
1/4		1/4	4,361.92	1/4	4,194.62	1/4	4,014.09	1/4	3,817.56	1/4	3,617.76	1/4	3,293.21	1/4	2,932.76	1/4	2,572.36	1/4	2,211.78
1/2		1/2	4,357.85	1/2	4,191.04	1/2	4,010.15	1/2	3,813.39	1/2	3,613.60	1/2	3,285.70	1/2	2,925.25	1/2	2,564.86	1/2	2,204.27
3/4		3/4	4,353.79	3/4	4,187.47	3/4	4,006.20	3/4	3,809.23	3/4	3,609.44	3/4	3,278.19	3/4	2,917.75	3/4	2,557.35	3/4	2,196.75
4		4	4,349.93	4	4,183.87	4	4,002.22	4	3,805.07	4	3,605.27	4	3,270.68	4	2,910.24	4	2,549.85	4	2,189.25
1/4		1/4	4,346.08	1/4	4,180.26	1/4	3,998.24	1/4	3,800.91	1/4	3,601.11	1/4	3,263.17	1/4	2,902.73	1/4	2,542.34	1/4	2,181.75
1/2		1/2	4,342.23	1/2	4,176.66	1/2	3,994.27	1/2	3,796.74	1/2	3,596.95	1/2	3,255.66	1/2	2,895.22	1/2	2,534.84	1/2	2,174.24
3/4		3/4	4,338.37	3/4	4,173.06	3/4	3,990.29	3/4	3,792.58	3/4	3,592.79	3/4	3,248.15	3/4	2,887.71	3/4	2,527.34	3/4	2,166.74
5		5	4,334.93	5	4,169.43	5	3,986.28	5	3,788.42	5	3,588.14	5	3,240.65	5	2,880.20	5	2,519.83	5	2,159.23
1/4		1/4	4,331.49	1/4	4,165.80	1/4	3,982.28	1/4	3,784.26	1/4	3,583.49	1/4	3,233.14	1/4	2,872.69	1/4	2,512.33	1/4	2,151.73
1/2		1/2	4,328.05	1/2	4,162.17	1/2	3,978.27	1/2	3,780.09	1/2	3,578.84	1/2	3,225.63	1/2	2,865.18	1/2	2,504.82	1/2	2,144.23
3/4		3/4	4,324.61	3/4	4,158.54	3/4	3,974.27	3/4	3,775.93	3/4	3,574.18	3/4	3,218.12	3/4	2,857.67	3/4	2,497.32	3/4	2,136.72
6		6	4,321.36	6	4,154.88	6	3,970.23	6	3,771.77	6	3,567.15	6	3,210.61	6	2,850.16	6	2,489.82	6	2,129.22
1/4		1/4	4,318.11	1/4	4,151.22	1/4	3,966.20	1/4	3,767.61	1/4	3,560.11	1/4	3,203.10	1/4	2,842.65	1/4	2,482.31	1/4	2,121.72
1/2		1/2	4,314.86	1/2	4,147.56	1/2	3,962.17	1/2	3,763.44	1/2	3,553.07	1/2	3,195.59	1/2	2,835.14	1/2	2,474.81	1/2	2,114.21
3/4		3/4	4,311.61	3/4	4,143.90	3/4	3,958.13	3/4	3,759.28	3/4	3,546.03	3/4	3,188.08	3/4	2,827.63	3/4	2,467.30	3/4	2,106.71
7		7	4,308.33	7	4,140.22	7	3,954.07	7	3,755.12	7	3,538.57	7	3,180.57	7	2,820.12	7	2,459.80	7	2,099.25
1/4		1/4	4,305.05	1/4	4,136.53	1/4	3,950.01	1/4	3,750.96	1/4	3,531.10	1/4	3,173.06	1/4	2,812.61	1/4	2,452.30	1/4	2,091.80
1/2		1/2	4,301.77	1/2	4,132.84	1/2	3,945.95	1/2	3,746.80	1/2	3,523.64	1/2	3,165.55	1/2	2,805.11	1/2	2,444.79	1/2	2,084.34
3/4		3/4	4,298.49	3/4	4,129.15	3/4	3,941.88	3/4	3,742.63	3/4	3,516.17	3/4	3,158.04	3/4	2,797.60	3/4	2,437.29	3/4	2,076.88
8		8	4,295.15	8	4,125.44	8	3,937.79	8	3,738.47	8	3,508.76	8	3,150.53	8	2,790.09	8	2,429.78	8	2,069.47
1/4		1/4	4,291.81	1/4	4,121.72	1/4	3,933.70	1/4	3,734.31	1/4	3,501.35	1/4	3,143.02	1/4	2,782.58	1/4	2,422.27	1/4	2,062.06
1/2		1/2	4,288.47	1/2	4,118.01	1/2	3,929.61	1/2	3,730.15	1/2	3,493.94	1/2	3,135.51	1/2	2,775.07	1/2	2,414.76	1/2	2,054.65
3/4		3/4	4,285.13	3/4	4,114.29	3/4	3,925.52	3/4	3,725.98	3/4	3,486.53	3/4	3,128.01	3/4	2,767.56	3/4	2,407.26	3/4	2,047.24
9		9	4,281.72	9	4,110.53	9	3,921.40	9	3,721.82	9	3,479.12	9	3,120.50	9	2,760.05	9	2,399.74	9	2,039.83
1/4		1/4	4,278.32	1/4	4,106.77	1/4	3,917.28	1/4	3,717.66	1/4	3,471.71	1/4	3,112.99	1/4	2,752.54	1/4	2,392.23	1/4	2,032.42
1/2		1/2	4,274.92	1/2	4,103.01	1/2	3,913.16	1/2	3,713.50	1/2	3,464.30	1/2	3,105.48	1/2	2,745.03	1/2	2,384.71	1/2	2,025.01
3/4		3/4	4,271.52	3/4	4,099.25	3/4	3,909.04	3/4	3,709.33	3/4	3,456.89	3/4	3,097.97	3/4	2,737.52	3/4	2,377.20	3/4	2,017.60
10		10	4,268.09	10	4,095.44	10	3,904.90	10	3,705.17	10	3,449.49	10	3,090.46	10	2,730.01	10	2,369.68	10	2,010.19
1/4		1/4	4,264.66	1/4	4,091.63	1/4	3,900.75	1/4	3,701.01	1/4	3,442.08	1/4	3,082.95	1/4	2,722.50	1/4	2,362.16	1/4	2,002.78
1/2		1/2	4,261.22	1/2	4,087.83	1/2	3,896.61	1/2	3,696.85	1/2	3,434.68	1/2	3,075.44	1/2	2,714.99	1/2	2,354.64	1/2	1,995.37
3/4		3/4	4,257.79	3/4	4,084.02	3/4	3,892.46	3/4	3,692.68	3/4	3,427.27	3/4	3,067.93	3/4	2,707.48	3/4	2,347.12	3/4	1,987.96
11		11	4,254.33	11	4,080.19	11	3,888.30	11	3,688.52	11	3,419.88	11	3,060.42	11	2,699.98	11	2,339.60	11	1,980.55
1/4		1/4	4,250.88	1/4	4,076.35	1/4	3,884.15	1/4	3,684.36	1/4	3,412.48	1/4	3,052.91	1/4	2,692.47	1/4	2,332.08	1/4	1,973.14
1/2		1/2	4,247.42	1/2	4,072.52	1/2	3,879.99	1/2	3,680.20	1/2	3,405.08	1/2	3,045.40	1/2	2,684.96	1/2	2,324.56	1/2	1,965.73
3/4	4,406.01	3/4	4,243.96	3/4	4,068.69	3/4	3,875.83	3/4	3,676.03	3/4	3,397.68	3/4	3,037.89	3/4	2,677.45	3/4	2,317.04	3/4	1,958.32

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.

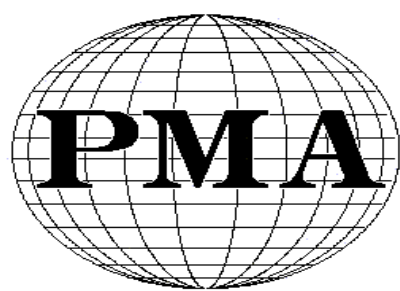
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 533"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 3/4"

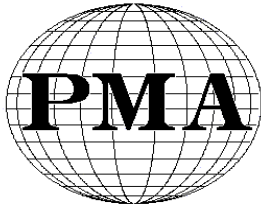
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,950.91	0	1,593.05	0	1,232.40	0	877.13	0	534.59	0	173.58	0		0		0		0	
1/4	1,943.50	1/4	1,585.54	1/4	1,224.88	1/4	870.12	1/4	527.07	1/4	166.06	1/4		1/4		1/4		1/4	
1/2	1,936.09	1/2	1,578.02	1/2	1,217.37	1/2	863.11	1/2	519.55	1/2	158.54	1/2		1/2		1/2		1/2	
3/4	1,928.68	3/4	1,570.51	3/4	1,209.85	3/4	856.10	3/4	512.03	3/4	151.01	3/4		3/4		3/4		3/4	
1	1,921.27	1	1,563.00	1	1,202.34	1	849.09	1	504.51	1	143.49	1		1		1		1	
1/4	1,913.86	1/4	1,555.48	1/4	1,194.83	1/4	842.07	1/4	496.98	1/4	135.96	1/4		1/4		1/4		1/4	
1/2	1,906.45	1/2	1,547.97	1/2	1,187.31	1/2	835.06	1/2	489.46	1/2	128.43	1/2		1/2		1/2		1/2	
3/4	1,899.04	3/4	1,540.45	3/4	1,179.80	3/4	828.04	3/4	481.94	3/4	120.90	3/4		3/4		3/4		3/4	
2	1,891.63	2	1,532.94	2	1,172.28	2	821.03	2	474.42	2	113.37	2		2		2		2	
1/4	1,884.22	1/4	1,525.43	1/4	1,164.77	1/4	814.01	1/4	466.90	1/4	105.84	1/4		1/4		1/4		1/4	
1/2	1,876.81	1/2	1,517.91	1/2	1,157.25	1/2	807.00	1/2	459.38	1/2	98.30	1/2		1/2		1/2		1/2	
3/4	1,869.40	3/4	1,510.40	3/4	1,149.74	3/4	799.98	3/4	451.86	3/4	90.77	3/4		3/4		3/4		3/4	
3	1,861.98	3	1,502.89	3	1,142.22	3	792.97	3	444.34	3	83.23	3		3		3		3	
1/4	1,854.57	1/4	1,495.37	1/4	1,134.70	1/4	785.95	1/4	436.82	1/4	75.70	1/4		1/4		1/4		1/4	
1/2	1,847.15	1/2	1,487.86	1/2	1,127.18	1/2	778.94	1/2	429.30	1/2	68.17	1/2		1/2		1/2		1/2	
3/4	1,839.73	3/4	1,480.35	3/4	1,119.67	3/4	771.92	3/4	421.79	3/4	60.63	3/4		3/4		3/4		3/4	
4	1,832.31	4	1,472.83	4	1,112.15	4	764.91	4	414.27	4	53.73	4		4		4		4	
1/4	1,824.89	1/4	1,465.32	1/4	1,104.64	1/4	757.90	1/4	406.75	1/4	46.82	1/4		1/4		1/4		1/4	
1/2	1,817.46	1/2	1,457.81	1/2	1,097.13	1/2	750.88	1/2	399.23	1/2	39.92	1/2		1/2		1/2		1/2	
3/4	1,810.04	3/4	1,450.29	3/4	1,089.61	3/4	743.87	3/4	391.72	3/4	33.01	3/4		3/4		3/4		3/4	
5	1,802.62	5	1,442.78	5	1,082.11	5	736.86	5	384.20	5	27.99	5		5		5		5	
1/4	1,795.19	1/4	1,435.27	1/4	1,074.60	1/4	729.84	1/4	376.67	1/4	22.96	1/4		1/4		1/4		1/4	
1/2	1,787.77	1/2	1,427.75	1/2	1,067.09	1/2	722.83	1/2	369.15	1/2	17.94	1/2		1/2		1/2		1/2	
3/4	1,780.35	3/4	1,420.24	3/4	1,059.58	3/4	715.82	3/4	361.63	3/4	12.92	3/4		3/4		3/4		3/4	
6	1,772.92	6	1,412.73	6	1,052.07	6	708.81	6	354.11	6		6		6		6		6	
1/4	1,765.50	1/4	1,405.21	1/4	1,044.56	1/4	701.79	1/4	346.59	1/4		1/4		1/4		1/4		1/4	
1/2	1,758.08	1/2	1,397.70	1/2	1,037.06	1/2	694.78	1/2	339.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,750.65	3/4	1,390.18	3/4	1,029.55	3/4	687.76	3/4	331.55	3/4		3/4		3/4		3/4		3/4	
7	1,743.19	7	1,382.67	7	1,022.04	7	680.73	7	324.02	7		7		7		7		7	
1/4	1,735.72	1/4	1,375.16	1/4	1,014.53	1/4	673.70	1/4	316.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,728.25	1/2	1,367.64	1/2	1,007.02	1/2	666.67	1/2	308.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,720.78	3/4	1,360.13	3/4	999.51	3/4	659.64	3/4	301.46	3/4		3/4		3/4		3/4		3/4	
8	1,713.27	8	1,352.62	8	992.01	8	652.59	8	293.93	8		8		8		8		8	
1/4	1,705.75	1/4	1,345.10	1/4	984.50	1/4	645.54	1/4	286.41	1/4		1/4		1/4		1/4		1/4	
1/2	1,698.24	1/2	1,337.59	1/2	976.99	1/2	638.49	1/2	278.89	1/2		1/2		1/2		1/2		1/2	
3/4	1,690.72	3/4	1,330.08	3/4	969.48	3/4	631.44	3/4	271.37	3/4		3/4		3/4		3/4		3/4	
9	1,683.21	9	1,322.56	9	962.21	9	624.16	9	263.85	9		9		9		9		9	
1/4	1,675.70	1/4	1,315.05	1/4	954.93	1/4	616.87	1/4	256.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,668.18	1/2	1,307.54	1/2	947.66	1/2	609.58	1/2	248.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,660.67	3/4	1,300.02	3/4	940.38	3/4	602.29	3/4	241.28	3/4		3/4		3/4		3/4		3/4	
10	1,653.16	10	1,292.51	10	933.34	10	594.77	10	233.76	10		10		10		10		10	
1/4	1,645.64	1/4	1,284.99	1/4	926.30	1/4	587.25	1/4	226.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,638.13	1/2	1,277.48	1/2	919.26	1/2	579.73	1/2	218.71	1/2		1/2		1/2		1/2		1/2	
3/4	1,630.62	3/4	1,269.97	3/4	912.22	3/4	572.21	3/4	211.19	3/4		3/4		3/4		3/4		3/4	
11	1,623.10	11	1,262.45	11	905.20	11	564.68	11	203.67	11		11		11		11		11	
1/4	1,615.59	1/4	1,254.94	1/4	898.18	1/4	557.16	1/4	196.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,608.08	1/2	1,247.42	1/2	891.16	1/2	549.64	1/2	188.63	1/2		1/2		1/2		1/2		1/2	
3/4	1,600.56	3/4	1,239.91	3/4	884.14	3/4	542.12	3/4	181.10	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

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



BARGE "EMS 533"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/4	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	- 00-1/2	00-1/2
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	- 00-1/2	00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-09"

June 20, 2025

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 533"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	10.14	0	259.49	0	541.01	0	844.79	0	1,170.52	0	1,501.34	0	1,832.16	0	2,162.91	0	2,493.60	0	2,824.28
1/4	13.46	1/4	265.14	1/4	547.11	1/4	851.38	1/4	1,177.42	1/4	1,508.23	1/4	1,839.05	1/4	2,169.80	1/4	2,500.48	1/4	2,831.17
1/2	16.78	1/2	270.79	1/2	553.21	1/2	857.98	1/2	1,184.31	1/2	1,515.12	1/2	1,845.94	1/2	2,176.69	1/2	2,507.37	1/2	2,838.06
3/4	20.10	3/4	276.44	3/4	559.31	3/4	864.58	3/4	1,191.20	3/4	1,522.02	3/4	1,852.83	3/4	2,183.58	3/4	2,514.26	3/4	2,844.95
1	23.43	1	282.09	1	565.41	1	871.17	1	1,198.09	1	1,528.91	1	1,859.72	1	2,190.47	1	2,521.15	1	2,851.84
1/4	28.07	1/4	287.78	1/4	571.55	1/4	877.81	1/4	1,204.98	1/4	1,535.80	1/4	1,866.62	1/4	2,197.36	1/4	2,528.04	1/4	2,858.73
1/2	32.72	1/2	293.47	1/2	577.69	1/2	884.45	1/2	1,211.88	1/2	1,542.69	1/2	1,873.51	1/2	2,204.24	1/2	2,534.93	1/2	2,865.62
3/4	37.36	3/4	299.16	3/4	583.84	3/4	891.08	3/4	1,218.77	3/4	1,549.58	3/4	1,880.40	3/4	2,211.13	3/4	2,541.82	3/4	2,872.51
2	42.01	2	304.84	2	589.98	2	897.72	2	1,225.66	2	1,556.48	2	1,887.29	2	2,218.02	2	2,548.71	2	2,879.40
1/4	47.27	1/4	310.57	1/4	596.16	1/4	904.39	1/4	1,232.55	1/4	1,563.37	1/4	1,894.18	1/4	2,224.91	1/4	2,555.60	1/4	2,886.29
1/2	52.53	1/2	316.30	1/2	602.34	1/2	911.07	1/2	1,239.44	1/2	1,570.26	1/2	1,901.08	1/2	2,231.80	1/2	2,562.49	1/2	2,893.17
3/4	57.79	3/4	322.03	3/4	608.52	3/4	917.75	3/4	1,246.34	3/4	1,577.15	3/4	1,907.97	3/4	2,238.69	3/4	2,569.38	3/4	2,900.06
3	63.05	3	327.75	3	614.70	3	924.42	3	1,253.23	3	1,584.04	3	1,914.86	3	2,245.58	3	2,576.27	3	2,906.95
1/4	68.35	1/4	333.52	1/4	620.93	1/4	931.14	1/4	1,260.12	1/4	1,590.94	1/4	1,921.75	1/4	2,252.47	1/4	2,583.16	1/4	2,913.84
1/2	73.65	1/2	339.29	1/2	627.15	1/2	937.85	1/2	1,267.01	1/2	1,597.83	1/2	1,928.64	1/2	2,259.36	1/2	2,590.05	1/2	2,920.73
3/4	78.95	3/4	345.06	3/4	633.37	3/4	944.57	3/4	1,273.90	3/4	1,604.72	3/4	1,935.54	3/4	2,266.25	3/4	2,596.93	3/4	2,927.62
4	84.25	4	350.83	4	639.59	4	951.28	4	1,280.80	4	1,611.61	4	1,942.43	4	2,273.14	4	2,603.82	4	2,934.51
1/4	89.59	1/4	356.64	1/4	645.85	1/4	958.03	1/4	1,287.69	1/4	1,618.50	1/4	1,949.32	1/4	2,280.03	1/4	2,610.71	1/4	2,941.40
1/2	94.92	1/2	362.45	1/2	652.11	1/2	964.79	1/2	1,294.58	1/2	1,625.40	1/2	1,956.21	1/2	2,286.92	1/2	2,617.60	1/2	2,948.29
3/4	100.26	3/4	368.26	3/4	658.37	3/4	971.54	3/4	1,301.47	3/4	1,632.29	3/4	1,963.10	3/4	2,293.81	3/4	2,624.49	3/4	2,955.18
5	105.60	5	374.07	5	664.63	5	978.30	5	1,308.36	5	1,639.18	5	1,970.00	5	2,300.70	5	2,631.38	5	2,962.07
1/4	110.98	1/4	379.92	1/4	670.93	1/4	985.09	1/4	1,315.26	1/4	1,646.07	1/4	1,976.89	1/4	2,307.58	1/4	2,638.27	1/4	2,968.96
1/2	116.36	1/2	385.77	1/2	677.23	1/2	991.88	1/2	1,322.15	1/2	1,652.96	1/2	1,983.78	1/2	2,314.47	1/2	2,645.16	1/2	2,975.85
3/4	121.74	3/4	391.62	3/4	683.53	3/4	998.68	3/4	1,329.04	3/4	1,659.86	3/4	1,990.67	3/4	2,321.36	3/4	2,652.05	3/4	2,982.74
6	127.11	6	397.47	6	689.83	6	1,005.47	6	1,335.93	6	1,666.75	6	1,997.56	6	2,328.25	6	2,658.94	6	2,989.63
1/4	132.53	1/4	403.36	1/4	696.18	1/4	1,012.30	1/4	1,342.82	1/4	1,673.64	1/4	2,004.46	1/4	2,335.14	1/4	2,665.83	1/4	2,996.51
1/2	137.95	1/2	409.25	1/2	702.52	1/2	1,019.14	1/2	1,349.72	1/2	1,680.53	1/2	2,011.35	1/2	2,342.03	1/2	2,672.72	1/2	3,003.40
3/4	143.36	3/4	415.14	3/4	708.87	3/4	1,025.97	3/4	1,356.61	3/4	1,687.42	3/4	2,018.24	3/4	2,348.92	3/4	2,679.61	3/4	3,010.29
7	148.78	7	421.03	7	715.22	7	1,032.80	7	1,363.50	7	1,694.32	7	2,025.13	7	2,355.81	7	2,686.50	7	3,017.18
1/4	154.24	1/4	426.96	1/4	721.62	1/4	1,039.67	1/4	1,370.39	1/4	1,701.21	1/4	2,032.02	1/4	2,362.70	1/4	2,693.39	1/4	3,024.07
1/2	159.70	1/2	432.89	1/2	728.01	1/2	1,046.54	1/2	1,377.28	1/2	1,708.10	1/2	2,038.91	1/2	2,369.59	1/2	2,700.27	1/2	3,030.96
3/4	165.15	3/4	438.82	3/4	734.41	3/4	1,053.41	3/4	1,384.18	3/4	1,714.99	3/4	2,045.79	3/4	2,376.48	3/4	2,707.16	3/4	3,037.85
8	170.61	8	444.74	8	740.81	8	1,060.27	8	1,391.07	8	1,721.88	8	2,052.68	8	2,383.37	8	2,714.05	8	3,044.74
1/4	176.10	1/4	450.71	1/4	747.25	1/4	1,067.16	1/4	1,397.96	1/4	1,728.78	1/4	2,059.57	1/4	2,390.26	1/4	2,720.94	1/4	3,051.63
1/2	181.60	1/2	456.68	1/2	753.69	1/2	1,074.05	1/2	1,404.85	1/2	1,735.67	1/2	2,066.46	1/2	2,397.15	1/2	2,727.83	1/2	3,058.52
3/4	187.10	3/4	462.65	3/4	760.13	3/4	1,080.93	3/4	1,411.74	3/4	1,742.56	3/4	2,073.35	3/4	2,404.03	3/4	2,734.72	3/4	3,065.41
9	192.59	9	468.62	9	766.57	9	1,087.82	9	1,418.64	9	1,749.45	9	2,080.24	9	2,410.92	9	2,741.61	9	3,072.30
1/4	198.13	1/4	474.62	1/4	773.04	1/4	1,094.71	1/4	1,425.53	1/4	1,756.34	1/4	2,087.13	1/4	2,417.81	1/4	2,748.50	1/4	3,079.19
1/2	203.66	1/2	480.62	1/2	779.52	1/2	1,101.60	1/2	1,432.42	1/2	1,763.24	1/2	2,094.02	1/2	2,424.70	1/2	2,755.39	1/2	3,086.07
3/4	209.20	3/4	486.63	3/4	786.00	3/4	1,108.50	3/4	1,439.31	3/4	1,770.13	3/4	2,100.91	3/4	2,431.59	3/4	2,762.28	3/4	3,092.96
10	214.73	10	492.63	10	792.48	10	1,115.39	10	1,446.20	10	1,777.02	10	2,107.79	10	2,438.48	10	2,769.17	10	3,099.85
1/4	220.31	1/4	498.66	1/4	799.00	1/4	1,122.28	1/4	1,453.10	1/4	1,783.91	1/4	2,114.68	1/4	2,445.37	1/4	2,776.06	1/4	3,106.74
1/2	225.88	1/2	504.69	1/2	805.52	1/2	1,129.17	1/2	1,459.99	1/2	1,790.80	1/2	2,121.57	1/2	2,452.26	1/2	2,782.95	1/2	3,113.63
3/4	231.46	3/4	510.73	3/4	812.04	3/4	1,136.06	3/4	1,466.88	3/4	1,797.70	3/4	2,128.46	3/4	2,459.15	3/4	2,789.84	3/4	3,120.52
11	237.03	11	516.76	11	818.55	11	1,142.96	11	1,473.77	11	1,804.59	11	2,135.35	11	2,466.04	11	2,796.72	11	3,127.41
1/4	242.64	1/4	522.82	1/4	825.11	1/4	1,149.85	1/4	1,480.66	1/4	1,811.48	1/4	2,142.24	1/4	2,472.93	1/4	2,803.61	1/4	3,134.30
1/2	248.26	1/2	528.88	1/2	831.67	1/2	1,156.74	1/2	1,487.56	1/2	1,818.37	1/2	2,149.13	1/2	2,479.82	1/2	2,810.50	1/2	3,141.19
3/4	253.87	3/4	534.95	3/4	838.23	3/4	1,163.63	3/4	1,494.45	3/4	1,825.26	3/4	2,156.02	3/4	2,486.71	3/4	2,817.39	3/4	3,148.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

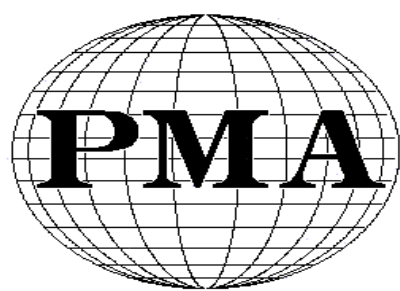
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "EMS 533"

1 PORT
INNAGE 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	3,154.97	0	3,485.65	0	3,814.99	0	4,131.30	0	4,431.19	0		0		0		0		0	
1/4	3,161.86	1/4	3,492.54	1/4	3,821.74	1/4	4,137.70	1/4	4,437.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,168.74	1/2	3,499.43	1/2	3,828.48	1/2	4,144.09	1/2	4,443.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,175.63	3/4	3,506.32	3/4	3,835.23	3/4	4,150.48	3/4	4,450.03	3/4		3/4		3/4		3/4		3/4	
1	3,182.52	1	3,513.20	1	3,841.97	1	4,156.87	1	4,456.30	1		1		1		1		1	
1/4	3,189.41	1/4	3,520.09	1/4	3,848.69	1/4	4,163.24	1/4	4,462.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,196.30	1/2	3,526.98	1/2	3,855.41	1/2	4,169.60	1/2	4,469.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,203.19	3/4	3,533.87	3/4	3,862.13	3/4	4,175.97	3/4	4,476.27	3/4		3/4		3/4		3/4		3/4	
2	3,210.08	2	3,540.76	2	3,868.85	2	4,182.33	2	4,482.93	2		2		2		2		2	
1/4	3,216.97	1/4	3,547.65	1/4	3,875.54	1/4	4,188.67	1/4	4,489.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,223.86	1/2	3,554.54	1/2	3,882.24	1/2	4,195.01	1/2	4,496.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,230.75	3/4	3,561.43	3/4	3,888.93	3/4	4,201.35	3/4	4,503.48	3/4		3/4		3/4		3/4		3/4	
3	3,237.64	3	3,568.32	3	3,895.62	3	4,207.69	3	4,510.33	3		3		3		3		3	
1/4	3,244.53	1/4	3,575.21	1/4	3,902.29	1/4	4,214.00	1/4	4,517.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,251.42	1/2	3,582.10	1/2	3,908.96	1/2	4,220.32	1/2	4,523.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,258.30	3/4	3,588.99	3/4	3,915.62	3/4	4,226.63	3/4	4,530.62	3/4		3/4		3/4		3/4		3/4	
4	3,265.19	4	3,595.88	4	3,922.29	4	4,232.94	4	4,537.38	4		4		4		4		4	
1/4	3,272.08	1/4	3,602.76	1/4	3,928.93	1/4	4,239.23	1/4	4,543.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,278.97	1/2	3,609.65	1/2	3,935.57	1/2	4,245.52	1/2	4,549.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,285.86	3/4	3,616.54	3/4	3,942.21	3/4	4,251.80	3/4	4,555.60	3/4		3/4		3/4		3/4		3/4	
5	3,292.75	5	3,623.43	5	3,948.85	5	4,258.09	5	4,561.68	5		5		5		5		5	
1/4	3,299.64	1/4	3,630.32	1/4	3,955.47	1/4	4,264.35	1/4	4,566.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,306.53	1/2	3,637.21	1/2	3,962.08	1/2	4,270.61	1/2	4,571.24	1/2		1/2		1/2		1/2		1/2	
3/4	3,313.42	3/4	3,644.10	3/4	3,968.70	3/4	4,276.87	3/4	4,576.02	3/4		3/4		3/4		3/4		3/4	
6	3,320.31	6	3,650.99	6	3,975.31	6	4,283.13	6	4,580.80	6		6		6		6		6	
1/4	3,327.20	1/4	3,657.87	1/4	3,981.90	1/4	4,289.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,334.09	1/2	3,664.76	1/2	3,988.49	1/2	4,295.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,340.97	3/4	3,671.65	3/4	3,995.08	3/4	4,301.84	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,347.86	7	3,678.53	7	4,001.66	7	4,308.07	7		7		7		7		7		7	
1/4	3,354.75	1/4	3,685.40	1/4	4,008.23	1/4	4,314.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,361.64	1/2	3,692.28	1/2	4,014.79	1/2	4,320.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,368.53	3/4	3,699.15	3/4	4,021.35	3/4	4,326.70	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,375.42	8	3,706.02	8	4,027.91	8	4,332.91	8		8		8		8		8		8	
1/4	3,382.31	1/4	3,712.87	1/4	4,034.43	1/4	4,339.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,389.20	1/2	3,719.72	1/2	4,040.94	1/2	4,345.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,396.09	3/4	3,726.57	3/4	4,047.46	3/4	4,351.45	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,402.98	9	3,733.42	9	4,053.98	9	4,357.63	9		9		9		9		9		9	
1/4	3,409.87	1/4	3,740.25	1/4	4,060.45	1/4	4,363.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,416.76	1/2	3,747.07	1/2	4,066.92	1/2	4,369.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,423.65	3/4	3,753.89	3/4	4,073.39	3/4	4,376.10	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,430.53	10	3,760.72	10	4,079.86	10	4,382.26	10		10		10		10		10		10	
1/4	3,437.42	1/4	3,767.51	1/4	4,086.30	1/4	4,388.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,444.31	1/2	3,774.31	1/2	4,092.74	1/2	4,394.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,451.20	3/4	3,781.11	3/4	4,099.19	3/4	4,400.65	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,458.09	11	3,787.91	11	4,105.63	11	4,406.78	11		11		11		11		11		11	
1/4	3,464.98	1/4	3,794.68	1/4	4,112.05	1/4	4,412.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,471.87	1/2	3,801.45	1/2	4,118.47	1/2	4,418.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,478.76	3/4	3,808.22	3/4	4,124.89	3/4	4,425.09	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "EMS 533"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	10.16	0	259.85	0	541.78	0	845.54	0	1,171.24	0	1,502.56	0	1,833.89	0	2,165.18	0	2,496.38	0	2,827.59
1/4	13.48	1/4	265.51	1/4	547.89	1/4	852.13	1/4	1,178.14	1/4	1,509.47	1/4	1,840.80	1/4	2,172.08	1/4	2,503.28	1/4	2,834.49
1/2	16.81	1/2	271.17	1/2	554.00	1/2	858.72	1/2	1,185.04	1/2	1,516.37	1/2	1,847.70	1/2	2,178.98	1/2	2,510.18	1/2	2,841.39
3/4	20.13	3/4	276.83	3/4	560.11	3/4	865.30	3/4	1,191.94	3/4	1,523.27	3/4	1,854.60	3/4	2,185.88	3/4	2,517.08	3/4	2,848.29
1	23.46	1	282.49	1	566.22	1	871.89	1	1,198.85	1	1,530.18	1	1,861.51	1	2,192.78	1	2,523.98	1	2,855.19
1/4	28.11	1/4	288.18	1/4	572.37	1/4	878.51	1/4	1,205.75	1/4	1,537.08	1/4	1,868.41	1/4	2,199.68	1/4	2,530.89	1/4	2,862.09
1/2	32.76	1/2	293.88	1/2	578.52	1/2	885.14	1/2	1,212.65	1/2	1,543.98	1/2	1,875.31	1/2	2,206.58	1/2	2,537.79	1/2	2,868.99
3/4	37.42	3/4	299.57	3/4	584.67	3/4	891.76	3/4	1,219.55	3/4	1,550.88	3/4	1,882.21	3/4	2,213.48	3/4	2,544.69	3/4	2,875.89
2	42.07	2	305.27	2	590.82	2	898.39	2	1,226.46	2	1,557.79	2	1,889.12	2	2,220.38	2	2,551.59	2	2,882.79
1/4	47.34	1/4	311.01	1/4	597.01	1/4	905.05	1/4	1,233.36	1/4	1,564.69	1/4	1,896.02	1/4	2,227.28	1/4	2,558.49	1/4	2,889.69
1/2	52.60	1/2	316.74	1/2	603.20	1/2	911.72	1/2	1,240.26	1/2	1,571.59	1/2	1,902.92	1/2	2,234.18	1/2	2,565.39	1/2	2,896.59
3/4	57.87	3/4	322.48	3/4	609.39	3/4	918.38	3/4	1,247.17	3/4	1,578.49	3/4	1,909.82	3/4	2,241.08	3/4	2,572.29	3/4	2,903.49
3	63.14	3	328.21	3	615.58	3	925.05	3	1,254.07	3	1,585.40	3	1,916.73	3	2,247.98	3	2,579.19	3	2,910.39
1/4	68.44	1/4	333.99	1/4	621.82	1/4	931.75	1/4	1,260.97	1/4	1,592.30	1/4	1,923.63	1/4	2,254.88	1/4	2,586.09	1/4	2,917.29
1/2	73.75	1/2	339.77	1/2	628.05	1/2	938.45	1/2	1,267.87	1/2	1,599.20	1/2	1,930.53	1/2	2,261.78	1/2	2,592.99	1/2	2,924.19
3/4	79.06	3/4	345.55	3/4	634.28	3/4	945.16	3/4	1,274.78	3/4	1,606.11	3/4	1,937.44	3/4	2,268.68	3/4	2,599.89	3/4	2,931.09
4	84.36	4	351.32	4	640.51	4	951.86	4	1,281.68	4	1,613.01	4	1,944.34	4	2,275.58	4	2,606.79	4	2,937.99
1/4	89.71	1/4	357.14	1/4	646.78	1/4	958.61	1/4	1,288.58	1/4	1,619.91	1/4	1,951.24	1/4	2,282.48	1/4	2,613.69	1/4	2,944.89
1/2	95.05	1/2	362.96	1/2	653.05	1/2	965.35	1/2	1,295.48	1/2	1,626.81	1/2	1,958.14	1/2	2,289.38	1/2	2,620.59	1/2	2,951.79
3/4	100.40	3/4	368.78	3/4	659.32	3/4	972.09	3/4	1,302.39	3/4	1,633.72	3/4	1,965.05	3/4	2,296.28	3/4	2,627.49	3/4	2,958.69
5	105.75	5	374.60	5	665.59	5	978.84	5	1,309.29	5	1,640.62	5	1,971.95	5	2,303.18	5	2,634.39	5	2,965.59
1/4	111.13	1/4	380.46	1/4	671.90	1/4	985.62	1/4	1,316.19	1/4	1,647.52	1/4	1,978.85	1/4	2,310.08	1/4	2,641.29	1/4	2,972.49
1/2	116.52	1/2	386.32	1/2	678.21	1/2	992.40	1/2	1,323.09	1/2	1,654.42	1/2	1,985.75	1/2	2,316.98	1/2	2,648.19	1/2	2,979.39
3/4	121.90	3/4	392.17	3/4	684.51	3/4	999.18	3/4	1,330.00	3/4	1,661.33	3/4	1,992.66	3/4	2,323.88	3/4	2,655.09	3/4	2,986.29
6	127.29	6	398.03	6	690.82	6	1,005.97	6	1,336.90	6	1,668.23	6	1,999.56	6	2,330.78	6	2,661.99	6	2,993.19
1/4	132.71	1/4	403.93	1/4	697.17	1/4	1,012.80	1/4	1,343.80	1/4	1,675.13	1/4	2,006.46	1/4	2,337.68	1/4	2,668.89	1/4	3,000.09
1/2	138.14	1/2	409.83	1/2	703.52	1/2	1,019.63	1/2	1,350.71	1/2	1,682.04	1/2	2,013.36	1/2	2,344.58	1/2	2,675.79	1/2	3,006.99
3/4	143.56	3/4	415.73	3/4	709.86	3/4	1,026.47	3/4	1,357.61	3/4	1,688.94	3/4	2,020.27	3/4	2,351.48	3/4	2,682.69	3/4	3,013.89
7	148.99	7	421.62	7	716.21	7	1,033.30	7	1,364.51	7	1,695.84	7	2,027.17	7	2,358.38	7	2,689.59	7	3,020.79
1/4	154.45	1/4	427.56	1/4	722.59	1/4	1,040.18	1/4	1,371.41	1/4	1,702.74	1/4	2,034.07	1/4	2,365.28	1/4	2,696.49	1/4	3,027.69
1/2	159.92	1/2	433.50	1/2	728.98	1/2	1,047.06	1/2	1,378.32	1/2	1,709.65	1/2	2,040.97	1/2	2,372.18	1/2	2,703.39	1/2	3,034.59
3/4	165.38	3/4	439.44	3/4	735.36	3/4	1,053.93	3/4	1,385.22	3/4	1,716.55	3/4	2,047.88	3/4	2,379.08	3/4	2,710.29	3/4	3,041.49
8	170.84	8	445.37	8	741.75	8	1,060.81	8	1,392.12	8	1,723.45	8	2,054.78	8	2,385.98	8	2,717.19	8	3,048.39
1/4	176.35	1/4	451.35	1/4	748.18	1/4	1,067.71	1/4	1,399.02	1/4	1,730.35	1/4	2,061.68	1/4	2,392.88	1/4	2,724.09	1/4	3,055.29
1/2	181.85	1/2	457.33	1/2	754.61	1/2	1,074.61	1/2	1,405.93	1/2	1,737.26	1/2	2,068.58	1/2	2,399.78	1/2	2,730.99	1/2	3,062.19
3/4	187.35	3/4	463.30	3/4	761.03	3/4	1,081.51	3/4	1,412.83	3/4	1,744.16	3/4	2,075.48	3/4	2,406.68	3/4	2,737.89	3/4	3,069.09
9	192.86	9	469.28	9	767.46	9	1,088.40	9	1,419.73	9	1,751.06	9	2,082.38	9	2,413.58	9	2,744.79	9	3,075.99
1/4	198.40	1/4	475.29	1/4	773.93	1/4	1,095.31	1/4	1,426.64	1/4	1,757.96	1/4	2,089.28	1/4	2,420.48	1/4	2,751.69	1/4	3,082.89
1/2	203.94	1/2	481.30	1/2	780.40	1/2	1,102.21	1/2	1,433.54	1/2	1,764.87	1/2	2,096.18	1/2	2,427.38	1/2	2,758.59	1/2	3,089.79
3/4	209.49	3/4	487.32	3/4	786.86	3/4	1,109.11	3/4	1,440.44	3/4	1,771.77	3/4	2,103.08	3/4	2,434.28	3/4	2,765.49	3/4	3,096.69
10	215.03	10	493.33	10	793.33	10	1,116.01	10	1,447.34	10	1,778.67	10	2,109.98	10	2,441.18	10	2,772.39	10	3,103.59
1/4	220.61	1/4	499.37	1/4	799.84	1/4	1,122.92	1/4	1,454.25	1/4	1,785.58	1/4	2,116.88	1/4	2,448.08	1/4	2,779.29	1/4	3,110.49
1/2	226.19	1/2	505.41	1/2	806.35	1/2	1,129.82	1/2	1,461.15	1/2	1,792.48	1/2	2,123.78	1/2	2,454.98	1/2	2,786.19	1/2	3,117.39
3/4	231.78	3/4	511.45	3/4	812.85	3/4	1,136.72	3/4	1,468.05	3/4	1,799.38	3/4	2,130.68	3/4	2,461.88	3/4	2,793.09	3/4	3,124.29
11	237.36	11	517.49	11	819.36	11	1,143.62	11	1,474.95	11	1,806.28	11	2,137.58	11	2,468.78	11	2,799.99	11	3,131.19
1/4	242.98	1/4	523.57	1/4	825.91	1/4	1,150.53	1/4	1,481.86	1/4	1,813.19	1/4	2,144.48	1/4	2,475.68	1/4	2,806.89	1/4	3,138.09
1/2	248.60	1/2	529.64	1/2	832.45	1/2	1,157.43	1/2	1,488.76	1/2	1,820.09	1/2	2,151.38	1/2	2,482.58	1/2	2,813.79	1/2	3,144.99
3/4	254.23	3/4	535.71	3/4	839.00	3/4	1,164.33	3/4	1,495.66	3/4	1,826.99	3/4	2,158.28	3/4	2,489.48	3/4	2,820.69	3/4	3,151.89

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-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 533"

1 STBD INNAGE 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	3,158.79	0	3,489.99	0	3,819.86	0	4,136.66	0	4,437.00	0		0		0		0		0	
1/4	3,165.69	1/4	3,496.89	1/4	3,826.61	1/4	4,143.06	1/4	4,443.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,172.59	1/2	3,503.79	1/2	3,833.37	1/2	4,149.46	1/2	4,449.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,179.49	3/4	3,510.69	3/4	3,840.12	3/4	4,155.86	3/4	4,455.86	3/4		3/4		3/4		3/4		3/4	
1	3,186.39	1	3,517.59	1	3,846.88	1	4,162.26	1	4,462.14	1		1		1		1		1	
1/4	3,193.29	1/4	3,524.49	1/4	3,853.61	1/4	4,168.64	1/4	4,468.81	1/4		1/4		1/4		1/4		1/4	
1/2	3,200.19	1/2	3,531.39	1/2	3,860.34	1/2	4,175.01	1/2	4,475.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,207.09	3/4	3,538.29	3/4	3,867.07	3/4	4,181.39	3/4	4,482.14	3/4		3/4		3/4		3/4		3/4	
2	3,213.99	2	3,545.19	2	3,873.80	2	4,187.76	2	4,488.81	2		2		2		2		2	
1/4	3,220.89	1/4	3,552.09	1/4	3,880.50	1/4	4,194.11	1/4	4,495.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,227.79	1/2	3,558.99	1/2	3,887.21	1/2	4,200.46	1/2	4,502.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,234.69	3/4	3,565.89	3/4	3,893.91	3/4	4,206.81	3/4	4,509.39	3/4		3/4		3/4		3/4		3/4	
3	3,241.59	3	3,572.79	3	3,900.61	3	4,213.16	3	4,516.25	3		3		3		3		3	
1/4	3,248.49	1/4	3,579.69	1/4	3,907.29	1/4	4,219.48	1/4	4,523.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,255.39	1/2	3,586.59	1/2	3,913.97	1/2	4,225.80	1/2	4,529.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,262.29	3/4	3,593.49	3/4	3,920.64	3/4	4,232.12	3/4	4,536.57	3/4		3/4		3/4		3/4		3/4	
4	3,269.19	4	3,600.39	4	3,927.32	4	4,238.45	4	4,543.35	4		4		4		4		4	
1/4	3,276.09	1/4	3,607.29	1/4	3,933.97	1/4	4,244.74	1/4	4,549.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,282.99	1/2	3,614.19	1/2	3,940.62	1/2	4,251.04	1/2	4,555.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,289.89	3/4	3,621.09	3/4	3,947.27	3/4	4,257.34	3/4	4,561.60	3/4		3/4		3/4		3/4		3/4	
5	3,296.79	5	3,627.99	5	3,953.92	5	4,263.63	5	4,567.68	5		5		5		5		5	
1/4	3,303.69	1/4	3,634.89	1/4	3,960.55	1/4	4,269.90	1/4	4,572.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,310.59	1/2	3,641.79	1/2	3,967.17	1/2	4,276.17	1/2	4,577.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,317.49	3/4	3,648.69	3/4	3,973.80	3/4	4,282.44	3/4	4,582.05	3/4		3/4		3/4		3/4		3/4	
6	3,324.39	6	3,655.59	6	3,980.42	6	4,288.71	6	4,586.84	6		6		6		6		6	
1/4	3,331.29	1/4	3,662.49	1/4	3,987.02	1/4	4,294.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,338.19	1/2	3,669.39	1/2	3,993.62	1/2	4,301.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,345.09	3/4	3,676.28	3/4	4,000.22	3/4	4,307.45	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,351.99	7	3,683.18	7	4,006.82	7	4,313.69	7		7		7		7		7		7	
1/4	3,358.89	1/4	3,690.07	1/4	4,013.39	1/4	4,319.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,365.79	1/2	3,696.95	1/2	4,019.96	1/2	4,326.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,372.69	3/4	3,703.83	3/4	4,026.53	3/4	4,332.34	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,379.59	8	3,710.72	8	4,033.11	8	4,338.56	8		8		8		8		8		8	
1/4	3,386.49	1/4	3,717.58	1/4	4,039.63	1/4	4,344.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,393.39	1/2	3,724.44	1/2	4,046.16	1/2	4,350.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,400.29	3/4	3,731.30	3/4	4,052.68	3/4	4,357.14	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,407.19	9	3,738.16	9	4,059.21	9	4,363.33	9		9		9		9		9		9	
1/4	3,414.09	1/4	3,744.99	1/4	4,065.69	1/4	4,369.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,420.99	1/2	3,751.83	1/2	4,072.17	1/2	4,375.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,427.89	3/4	3,758.66	3/4	4,078.65	3/4	4,381.82	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,434.79	10	3,765.50	10	4,085.13	10	4,387.99	10		10		10		10		10		10	
1/4	3,441.69	1/4	3,772.30	1/4	4,091.58	1/4	4,394.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,448.59	1/2	3,779.11	1/2	4,098.04	1/2	4,400.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,455.49	3/4	3,785.92	3/4	4,104.49	3/4	4,406.41	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,462.39	11	3,792.73	11	4,110.95	11	4,412.54	11		11		11		11		11		11	
1/4	3,469.29	1/4	3,799.51	1/4	4,117.37	1/4	4,418.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,476.19	1/2	3,806.29	1/2	4,123.80	1/2	4,424.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,483.09	3/4	3,813.08	3/4	4,130.23	3/4	4,430.88	3/4		3/4		3/4		3/4		3/4		3/4	

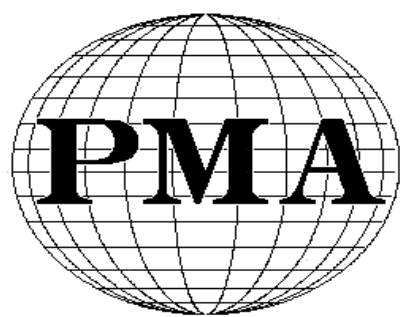
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "EMS 533"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

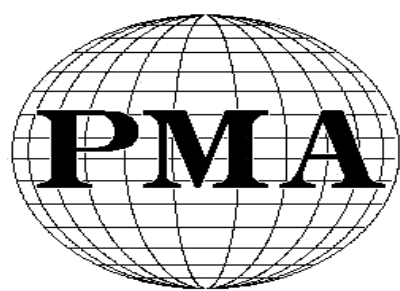
GAUGE HEIGHT 15'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	13.83	0	388.22	0	775.88	0	1,163.13	0	1,550.99	0	1,938.85	0	2,326.71	0	2,714.53	0	3,102.25	0	3,489.96
1/4	19.22	1/4	396.30	1/4	783.94	1/4	1,171.21	1/4	1,559.07	1/4	1,946.93	1/4	2,334.79	1/4	2,722.61	1/4	3,110.32	1/4	3,498.04
1/2	24.61	1/2	404.38	1/2	791.99	1/2	1,179.29	1/2	1,567.15	1/2	1,955.01	1/2	2,342.87	1/2	2,730.69	1/2	3,118.40	1/2	3,506.12
3/4	29.99	3/4	412.46	3/4	800.05	3/4	1,187.37	3/4	1,575.23	3/4	1,963.09	3/4	2,350.95	3/4	2,738.76	3/4	3,126.48	3/4	3,514.19
1	35.38	1	420.54	1	808.10	1	1,195.45	1	1,583.31	1	1,971.17	1	2,359.03	1	2,746.84	1	3,134.56	1	3,522.27
1/4	42.79	1/4	428.62	1/4	816.16	1/4	1,203.53	1/4	1,591.39	1/4	1,979.25	1/4	2,367.11	1/4	2,754.92	1/4	3,142.63	1/4	3,530.35
1/2	50.19	1/2	436.70	1/2	824.22	1/2	1,211.61	1/2	1,599.47	1/2	1,987.33	1/2	2,375.19	1/2	2,763.00	1/2	3,150.71	1/2	3,538.43
3/4	57.60	3/4	444.77	3/4	832.28	3/4	1,219.69	3/4	1,607.55	3/4	1,995.41	3/4	2,383.27	3/4	2,771.07	3/4	3,158.79	3/4	3,546.50
2	65.01	2	452.85	2	840.33	2	1,227.77	2	1,615.63	2	2,003.49	2	2,391.35	2	2,779.15	2	3,166.87	2	3,554.58
1/4	73.09	1/4	460.92	1/4	848.39	1/4	1,235.85	1/4	1,623.71	1/4	2,011.57	1/4	2,399.43	1/4	2,787.23	1/4	3,174.94	1/4	3,562.66
1/2	81.17	1/2	469.00	1/2	856.45	1/2	1,243.93	1/2	1,631.79	1/2	2,019.65	1/2	2,407.51	1/2	2,795.31	1/2	3,183.02	1/2	3,570.74
3/4	89.25	3/4	477.08	3/4	864.51	3/4	1,252.02	3/4	1,639.87	3/4	2,027.73	3/4	2,415.59	3/4	2,803.38	3/4	3,191.10	3/4	3,578.81
3	97.33	3	485.15	3	872.57	3	1,260.10	3	1,647.95	3	2,035.81	3	2,423.67	3	2,811.46	3	3,199.18	3	3,586.89
1/4	105.41	1/4	493.23	1/4	880.63	1/4	1,268.18	1/4	1,656.04	1/4	2,043.89	1/4	2,431.75	1/4	2,819.54	1/4	3,207.25	1/4	3,594.97
1/2	113.49	1/2	501.31	1/2	888.68	1/2	1,276.26	1/2	1,664.12	1/2	2,051.97	1/2	2,439.83	1/2	2,827.61	1/2	3,215.33	1/2	3,603.05
3/4	121.57	3/4	509.39	3/4	896.74	3/4	1,284.34	3/4	1,672.20	3/4	2,060.06	3/4	2,447.91	3/4	2,835.69	3/4	3,223.41	3/4	3,611.12
4	129.65	4	517.47	4	904.80	4	1,292.42	4	1,680.28	4	2,068.14	4	2,455.99	4	2,843.77	4	3,231.48	4	3,619.20
1/4	137.73	1/4	525.55	1/4	912.86	1/4	1,300.50	1/4	1,688.36	1/4	2,076.22	1/4	2,464.08	1/4	2,851.85	1/4	3,239.56	1/4	3,627.28
1/2	145.81	1/2	533.63	1/2	920.92	1/2	1,308.58	1/2	1,696.44	1/2	2,084.30	1/2	2,472.16	1/2	2,859.92	1/2	3,247.64	1/2	3,635.35
3/4	153.89	3/4	541.71	3/4	928.98	3/4	1,316.66	3/4	1,704.52	3/4	2,092.38	3/4	2,480.24	3/4	2,868.00	3/4	3,255.72	3/4	3,643.43
5	161.97	5	549.79	5	937.04	5	1,324.74	5	1,712.60	5	2,100.46	5	2,488.32	5	2,876.08	5	3,263.79	5	3,651.51
1/4	170.05	1/4	557.87	1/4	945.09	1/4	1,332.82	1/4	1,720.68	1/4	2,108.54	1/4	2,496.40	1/4	2,884.16	1/4	3,271.87	1/4	3,659.58
1/2	178.13	1/2	565.95	1/2	953.15	1/2	1,340.90	1/2	1,728.76	1/2	2,116.62	1/2	2,504.48	1/2	2,892.23	1/2	3,279.95	1/2	3,667.66
3/4	186.21	3/4	574.03	3/4	961.21	3/4	1,348.98	3/4	1,736.84	3/4	2,124.70	3/4	2,512.56	3/4	2,900.31	3/4	3,288.03	3/4	3,675.74
6	194.30	6	582.11	6	969.27	6	1,357.06	6	1,744.92	6	2,132.78	6	2,520.64	6	2,908.39	6	3,296.10	6	3,683.82
1/4	202.38	1/4	590.19	1/4	977.34	1/4	1,365.14	1/4	1,753.00	1/4	2,140.86	1/4	2,528.72	1/4	2,916.47	1/4	3,304.18	1/4	3,691.89
1/2	210.46	1/2	598.27	1/2	985.40	1/2	1,373.22	1/2	1,761.08	1/2	2,148.94	1/2	2,536.80	1/2	2,924.54	1/2	3,312.26	1/2	3,699.97
3/4	218.54	3/4	606.35	3/4	993.47	3/4	1,381.30	3/4	1,769.16	3/4	2,157.02	3/4	2,544.88	3/4	2,932.62	3/4	3,320.34	3/4	3,708.05
7	226.62	7	614.43	7	1,001.54	7	1,389.38	7	1,777.24	7	2,165.10	7	2,552.96	7	2,940.70	7	3,328.41	7	3,716.12
1/4	234.70	1/4	622.51	1/4	1,009.61	1/4	1,397.46	1/4	1,785.32	1/4	2,173.18	1/4	2,561.04	1/4	2,948.78	1/4	3,336.49	1/4	3,724.20
1/2	242.78	1/2	630.59	1/2	1,017.69	1/2	1,405.54	1/2	1,793.40	1/2	2,181.26	1/2	2,569.13	1/2	2,956.85	1/2	3,344.57	1/2	3,732.28
3/4	250.86	3/4	638.67	3/4	1,025.77	3/4	1,413.62	3/4	1,801.48	3/4	2,189.34	3/4	2,577.21	3/4	2,964.93	3/4	3,352.65	3/4	3,740.36
8	258.94	8	646.75	8	1,033.84	8	1,421.70	8	1,809.56	8	2,197.42	8	2,585.29	8	2,973.01	8	3,360.72	8	3,748.43
1/4	267.02	1/4	654.83	1/4	1,041.92	1/4	1,429.78	1/4	1,817.64	1/4	2,205.50	1/4	2,593.37	1/4	2,981.09	1/4	3,368.80	1/4	3,756.51
1/2	275.10	1/2	662.91	1/2	1,050.01	1/2	1,437.86	1/2	1,825.72	1/2	2,213.58	1/2	2,601.45	1/2	2,989.16	1/2	3,376.88	1/2	3,764.59
3/4	283.18	3/4	671.00	3/4	1,058.09	3/4	1,445.94	3/4	1,833.80	3/4	2,221.66	3/4	2,609.53	3/4	2,997.24	3/4	3,384.96	3/4	3,772.67
9	291.26	9	679.08	9	1,066.17	9	1,454.03	9	1,841.88	9	2,229.74	9	2,617.60	9	3,005.32	9	3,393.03	9	3,780.74
1/4	299.34	1/4	687.15	1/4	1,074.25	1/4	1,462.11	1/4	1,849.96	1/4	2,237.82	1/4	2,625.68	1/4	3,013.40	1/4	3,401.11	1/4	3,788.82
1/2	307.42	1/2	695.23	1/2	1,082.33	1/2	1,470.19	1/2	1,858.05	1/2	2,245.90	1/2	2,633.76	1/2	3,021.47	1/2	3,409.19	1/2	3,796.90
3/4	315.50	3/4	703.31	3/4	1,090.41	3/4	1,478.27	3/4	1,866.13	3/4	2,253.98	3/4	2,641.83	3/4	3,029.55	3/4	3,417.27	3/4	3,804.97
10	323.58	10	711.39	10	1,098.49	10	1,486.35	10	1,874.21	10	2,262.07	10	2,649.91	10	3,037.63	10	3,425.34	10	3,813.05
1/4	331.66	1/4	719.45	1/4	1,106.57	1/4	1,494.43	1/4	1,882.29	1/4	2,270.15	1/4	2,657.99	1/4	3,045.70	1/4	3,433.42	1/4	3,821.13
1/2	339.74	1/2	727.52	1/2	1,114.65	1/2	1,502.51	1/2	1,890.37	1/2	2,278.23	1/2	2,666.07	1/2	3,053.78	1/2	3,441.50	1/2	3,829.21
3/4	347.82	3/4	735.58	3/4	1,122.73	3/4	1,510.59	3/4	1,898.45	3/4	2,286.31	3/4	2,674.14	3/4	3,061.86	3/4	3,449.57	3/4	3,837.28
11	355.90	11	743.65	11	1,130.81	11	1,518.67	11	1,906.53	11	2,294.39	11	2,682.22	11	3,069.94	11	3,457.65	11	3,845.36
1/4	363.98	1/4	751.71	1/4	1,138.89	1/4	1,526.75	1/4	1,914.61	1/4	2,302.47	1/4	2,690.30	1/4	3,078.01	1/4	3,465.73	1/4	3,853.44
1/2	372.06	1/2	759.77	1/2	1,146.97	1/2	1,534.83	1/2	1,922.69	1/2	2,310.55	1/2	2,698.38	1/2	3,086.09	1/2	3,473.81	1/2	3,861.52
3/4	380.14	3/4	767.82	3/4	1,155.05	3/4	1,542.91	3/4	1,930.77	3/4	2,318.63	3/4	2,706.45	3/4	3,094.17	3/4	3,481.88	3/4	3,869.59

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 533"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

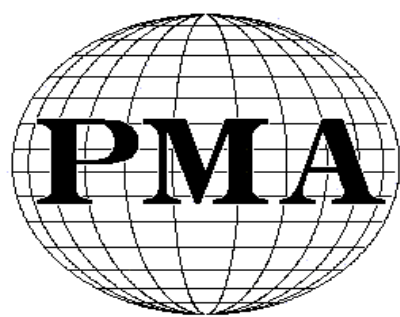
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,877.67	0	4,265.38	0	4,651.52	0	5,022.37	0	5,373.93	0		0		0		0		0	
1/4	3,885.75	1/4	4,273.46	1/4	4,659.43	1/4	5,029.86	1/4	5,381.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,893.83	1/2	4,281.54	1/2	4,667.34	1/2	5,037.35	1/2	5,388.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,901.90	3/4	4,289.61	3/4	4,675.25	3/4	5,044.84	3/4	5,396.01	3/4		3/4		3/4		3/4		3/4	
1	3,909.98	1	4,297.69	1	4,683.15	1	5,052.34	1	5,403.37	1		1		1		1		1	
1/4	3,918.06	1/4	4,305.77	1/4	4,691.03	1/4	5,059.80	1/4	5,411.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,926.13	1/2	4,313.84	1/2	4,698.91	1/2	5,067.26	1/2	5,418.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,934.21	3/4	4,321.92	3/4	4,706.79	3/4	5,074.73	3/4	5,426.78	3/4		3/4		3/4		3/4		3/4	
2	3,942.29	2	4,330.00	2	4,714.66	2	5,082.19	2	5,434.58	2		2		2		2		2	
1/4	3,950.37	1/4	4,338.08	1/4	4,722.51	1/4	5,089.62	1/4	5,442.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,958.44	1/2	4,346.15	1/2	4,730.36	1/2	5,097.05	1/2	5,450.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,966.52	3/4	4,354.23	3/4	4,738.21	3/4	5,104.48	3/4	5,458.67	3/4		3/4		3/4		3/4		3/4	
3	3,974.60	3	4,362.31	3	4,746.05	3	5,111.91	3	5,466.70	3		3		3		3		3	
1/4	3,982.68	1/4	4,370.39	1/4	4,753.87	1/4	5,119.32	1/4	5,474.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,990.75	1/2	4,378.46	1/2	4,761.69	1/2	5,126.72	1/2	5,482.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,998.83	3/4	4,386.54	3/4	4,769.50	3/4	5,134.12	3/4	5,490.49	3/4		3/4		3/4		3/4		3/4	
4	4,006.91	4	4,394.62	4	4,777.32	4	5,141.52	4	5,498.42	4		4		4		4		4	
1/4	4,014.98	1/4	4,402.70	1/4	4,785.11	1/4	5,148.89	1/4	5,505.55	1/4		1/4		1/4		1/4		1/4	
1/2	4,023.06	1/2	4,410.77	1/2	4,792.89	1/2	5,156.26	1/2	5,512.67	1/2		1/2		1/2		1/2		1/2	
3/4	4,031.14	3/4	4,418.85	3/4	4,800.68	3/4	5,163.63	3/4	5,519.79	3/4		3/4		3/4		3/4		3/4	
5	4,039.22	5	4,426.93	5	4,808.46	5	5,171.00	5	5,526.91	5		5		5		5		5	
1/4	4,047.29	1/4	4,435.00	1/4	4,816.22	1/4	5,178.34	1/4	5,532.52	1/4		1/4		1/4		1/4		1/4	
1/2	4,055.37	1/2	4,443.08	1/2	4,823.97	1/2	5,185.68	1/2	5,538.12	1/2		1/2		1/2		1/2		1/2	
3/4	4,063.45	3/4	4,451.16	3/4	4,831.73	3/4	5,193.02	3/4	5,543.73	3/4		3/4		3/4		3/4		3/4	
6	4,071.53	6	4,459.24	6	4,839.48	6	5,200.36	6	5,549.34	6		6		6		6		6	
1/4	4,079.60	1/4	4,467.31	1/4	4,847.21	1/4	5,207.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,087.68	1/2	4,475.38	1/2	4,854.93	1/2	5,214.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,095.76	3/4	4,483.45	3/4	4,862.66	3/4	5,222.29	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,103.83	7	4,491.52	7	4,870.38	7	5,229.59	7		7		7		7		7		7	
1/4	4,111.91	1/4	4,499.58	1/4	4,878.07	1/4	5,236.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,119.99	1/2	4,507.64	1/2	4,885.77	1/2	5,244.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,128.07	3/4	4,515.70	3/4	4,893.46	3/4	5,251.43	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,136.14	8	4,523.76	8	4,901.15	8	5,258.71	8		8		8		8		8		8	
1/4	4,144.22	1/4	4,531.79	1/4	4,908.79	1/4	5,265.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,152.30	1/2	4,539.82	1/2	4,916.43	1/2	5,273.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,160.38	3/4	4,547.85	3/4	4,924.07	3/4	5,280.45	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,168.45	9	4,555.88	9	4,931.71	9	5,287.70	9		9		9		9		9		9	
1/4	4,176.53	1/4	4,563.88	1/4	4,939.30	1/4	5,294.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,184.61	1/2	4,571.88	1/2	4,946.88	1/2	5,302.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,192.69	3/4	4,579.88	3/4	4,954.47	3/4	5,309.35	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,200.76	10	4,587.88	10	4,962.05	10	5,316.57	10		10		10		10		10		10	
1/4	4,208.84	1/4	4,595.85	1/4	4,969.61	1/4	5,323.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,216.92	1/2	4,603.82	1/2	4,977.16	1/2	5,330.94	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,224.99	3/4	4,611.79	3/4	4,984.72	3/4	5,338.12	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,233.07	11	4,619.76	11	4,992.27	11	5,345.31	11		11		11		11		11		11	
1/4	4,241.15	1/4	4,627.70	1/4	4,999.79	1/4	5,352.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,249.23	1/2	4,635.64	1/2	5,007.32	1/2	5,359.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,257.30	3/4	4,643.58	3/4	5,014.84	3/4	5,366.78	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

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



BARGE "EMS 533"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

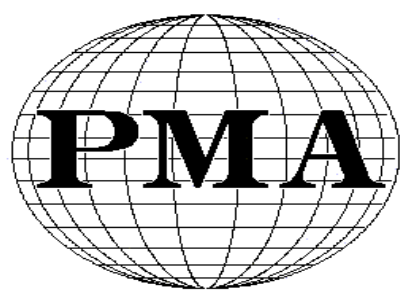
GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	13.88	0	389.43	0	774.00	0	1,147.74	0	1,530.06	0	1,919.13	0	2,308.19	0	2,697.22	0	3,086.14	0	3,475.06
1/4	19.28	1/4	397.54	1/4	781.78	1/4	1,155.54	1/4	1,538.16	1/4	1,927.23	1/4	2,316.30	1/4	2,705.32	1/4	3,094.24	1/4	3,483.16
1/2	24.68	1/2	405.64	1/2	789.55	1/2	1,163.34	1/2	1,546.27	1/2	1,935.34	1/2	2,324.41	1/2	2,713.42	1/2	3,102.34	1/2	3,491.26
3/4	30.09	3/4	413.75	3/4	797.32	3/4	1,171.13	3/4	1,554.37	3/4	1,943.44	3/4	2,332.51	3/4	2,721.52	3/4	3,110.44	3/4	3,499.36
1	35.49	1	421.85	1	805.10	1	1,178.93	1	1,562.48	1	1,951.55	1	2,340.62	1	2,729.63	1	3,118.55	1	3,507.47
1/4	42.92	1/4	429.95	1/4	812.87	1/4	1,186.73	1/4	1,570.58	1/4	1,959.65	1/4	2,348.72	1/4	2,737.73	1/4	3,126.65	1/4	3,515.57
1/2	50.35	1/2	438.06	1/2	820.65	1/2	1,194.53	1/2	1,578.69	1/2	1,967.76	1/2	2,356.83	1/2	2,745.83	1/2	3,134.75	1/2	3,523.67
3/4	57.78	3/4	446.16	3/4	828.43	3/4	1,202.33	3/4	1,586.80	3/4	1,975.86	3/4	2,364.93	3/4	2,753.93	3/4	3,142.85	3/4	3,531.77
2	65.21	2	454.26	2	836.20	2	1,210.13	2	1,594.90	2	1,983.97	2	2,373.04	2	2,762.04	2	3,150.96	2	3,539.88
1/4	73.32	1/4	462.36	1/4	843.98	1/4	1,217.93	1/4	1,603.01	1/4	1,992.08	1/4	2,381.14	1/4	2,770.14	1/4	3,159.06	1/4	3,547.98
1/2	81.42	1/2	470.46	1/2	851.75	1/2	1,225.73	1/2	1,611.11	1/2	2,000.18	1/2	2,389.25	1/2	2,778.24	1/2	3,167.16	1/2	3,556.08
3/4	89.53	3/4	478.56	3/4	859.53	3/4	1,233.53	3/4	1,619.22	3/4	2,008.29	3/4	2,397.36	3/4	2,786.34	3/4	3,175.26	3/4	3,564.18
3	97.63	3	486.66	3	867.31	3	1,241.33	3	1,627.32	3	2,016.39	3	2,405.46	3	2,794.45	3	3,183.37	3	3,572.29
1/4	105.74	1/4	494.77	1/4	875.09	1/4	1,249.12	1/4	1,635.43	1/4	2,024.50	1/4	2,413.57	1/4	2,802.55	1/4	3,191.47	1/4	3,580.39
1/2	113.84	1/2	502.87	1/2	882.86	1/2	1,256.92	1/2	1,643.53	1/2	2,032.60	1/2	2,421.67	1/2	2,810.65	1/2	3,199.57	1/2	3,588.49
3/4	121.95	3/4	510.98	3/4	890.64	3/4	1,264.72	3/4	1,651.64	3/4	2,040.71	3/4	2,429.78	3/4	2,818.75	3/4	3,207.67	3/4	3,596.59
4	130.06	4	519.08	4	898.42	4	1,272.52	4	1,659.75	4	2,048.81	4	2,437.88	4	2,826.86	4	3,215.78	4	3,604.70
1/4	138.16	1/4	527.19	1/4	906.19	1/4	1,280.32	1/4	1,667.85	1/4	2,056.92	1/4	2,445.99	1/4	2,834.96	1/4	3,223.88	1/4	3,612.80
1/2	146.27	1/2	535.29	1/2	913.97	1/2	1,288.12	1/2	1,675.96	1/2	2,065.03	1/2	2,454.09	1/2	2,843.06	1/2	3,231.98	1/2	3,620.90
3/4	154.37	3/4	543.40	3/4	921.75	3/4	1,295.92	3/4	1,684.06	3/4	2,073.13	3/4	2,462.20	3/4	2,851.16	3/4	3,240.08	3/4	3,629.01
5	162.48	5	551.50	5	929.52	5	1,303.72	5	1,692.17	5	2,081.24	5	2,470.31	5	2,859.27	5	3,248.19	5	3,637.11
1/4	170.58	1/4	559.61	1/4	937.30	1/4	1,311.67	1/4	1,700.27	1/4	2,089.34	1/4	2,478.41	1/4	2,867.37	1/4	3,256.29	1/4	3,645.21
1/2	178.69	1/2	567.71	1/2	945.08	1/2	1,319.62	1/2	1,708.38	1/2	2,097.45	1/2	2,486.52	1/2	2,875.47	1/2	3,264.39	1/2	3,653.32
3/4	186.79	3/4	575.82	3/4	952.85	3/4	1,327.57	3/4	1,716.49	3/4	2,105.55	3/4	2,494.62	3/4	2,883.57	3/4	3,272.49	3/4	3,661.42
6	194.90	6	583.92	6	960.63	6	1,335.52	6	1,724.59	6	2,113.66	6	2,502.73	6	2,891.68	6	3,280.60	6	3,669.52
1/4	203.01	1/4	592.03	1/4	968.42	1/4	1,343.63	1/4	1,732.70	1/4	2,121.77	1/4	2,510.83	1/4	2,899.78	1/4	3,288.70	1/4	3,677.62
1/2	211.11	1/2	600.14	1/2	976.20	1/2	1,351.73	1/2	1,740.80	1/2	2,129.87	1/2	2,518.94	1/2	2,907.88	1/2	3,296.80	1/2	3,685.73
3/4	219.22	3/4	608.24	3/4	983.99	3/4	1,359.84	3/4	1,748.91	3/4	2,137.98	3/4	2,527.05	3/4	2,915.98	3/4	3,304.90	3/4	3,693.83
7	227.32	7	616.35	7	991.77	7	1,367.94	7	1,757.01	7	2,146.08	7	2,535.15	7	2,924.09	7	3,313.01	7	3,701.93
1/4	235.43	1/4	624.45	1/4	999.57	1/4	1,376.05	1/4	1,765.12	1/4	2,154.19	1/4	2,543.26	1/4	2,932.19	1/4	3,321.11	1/4	3,710.03
1/2	243.53	1/2	632.56	1/2	1,007.36	1/2	1,384.16	1/2	1,773.22	1/2	2,162.29	1/2	2,551.36	1/2	2,940.29	1/2	3,329.21	1/2	3,718.14
3/4	251.64	3/4	640.66	3/4	1,015.16	3/4	1,392.26	3/4	1,781.33	3/4	2,170.40	3/4	2,559.47	3/4	2,948.39	3/4	3,337.31	3/4	3,726.24
8	259.75	8	648.77	8	1,022.95	8	1,400.37	8	1,789.44	8	2,178.50	8	2,567.58	8	2,956.50	8	3,345.42	8	3,734.34
1/4	267.85	1/4	656.72	1/4	1,030.75	1/4	1,408.47	1/4	1,797.54	1/4	2,186.61	1/4	2,575.68	1/4	2,964.60	1/4	3,353.52	1/4	3,742.44
1/2	275.96	1/2	664.67	1/2	1,038.55	1/2	1,416.58	1/2	1,805.65	1/2	2,194.72	1/2	2,583.78	1/2	2,972.70	1/2	3,361.62	1/2	3,750.55
3/4	284.06	3/4	672.63	3/4	1,046.35	3/4	1,424.68	3/4	1,813.75	3/4	2,202.82	3/4	2,591.88	3/4	2,980.80	3/4	3,369.72	3/4	3,758.65
9	292.17	9	680.58	9	1,054.15	9	1,432.79	9	1,821.86	9	2,210.93	9	2,599.99	9	2,988.91	9	3,377.83	9	3,766.75
1/4	300.27	1/4	688.37	1/4	1,061.95	1/4	1,440.89	1/4	1,829.96	1/4	2,219.03	1/4	2,608.09	1/4	2,997.01	1/4	3,385.93	1/4	3,774.85
1/2	308.38	1/2	696.17	1/2	1,069.75	1/2	1,449.00	1/2	1,838.07	1/2	2,227.14	1/2	2,616.19	1/2	3,005.11	1/2	3,394.03	1/2	3,782.96
3/4	316.48	3/4	703.97	3/4	1,077.55	3/4	1,457.11	3/4	1,846.17	3/4	2,235.24	3/4	2,624.29	3/4	3,013.21	3/4	3,402.13	3/4	3,791.06
10	324.59	10	711.76	10	1,085.35	10	1,465.21	10	1,854.28	10	2,243.35	10	2,632.40	10	3,021.32	10	3,410.24	10	3,799.16
1/4	332.70	1/4	719.55	1/4	1,093.14	1/4	1,473.32	1/4	1,862.39	1/4	2,251.45	1/4	2,640.50	1/4	3,029.42	1/4	3,418.34	1/4	3,807.26
1/2	340.80	1/2	727.33	1/2	1,100.94	1/2	1,481.42	1/2	1,870.49	1/2	2,259.56	1/2	2,648.60	1/2	3,037.52	1/2	3,426.44	1/2	3,815.37
3/4	348.91	3/4	735.11	3/4	1,108.74	3/4	1,489.53	3/4	1,878.60	3/4	2,267.67	3/4	2,656.70	3/4	3,045.62	3/4	3,434.54	3/4	3,823.47
11	357.01	11	742.90	11	1,116.54	11	1,497.63	11	1,886.70	11	2,275.77	11	2,664.81	11	3,053.73	11	3,442.65	11	3,831.57
1/4	365.12	1/4	750.67	1/4	1,124.34	1/4	1,505.74	1/4	1,894.81	1/4	2,283.88	1/4	2,672.91	1/4	3,061.83	1/4	3,450.75	1/4	3,839.67
1/2	373.22	1/2	758.45	1/2	1,132.14	1/2	1,513.85	1/2	1,902.91	1/2	2,291.98	1/2	2,681.01	1/2	3,069.93	1/2	3,458.85	1/2	3,847.77
3/4	381.33	3/4	766.23	3/4	1,139.94	3/4	1,521.95	3/4	1,911.02	3/4	2,300.09	3/4	2,689.11	3/4	3,078.03	3/4	3,466.95	3/4	3,855.88

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 533"

2 STBD
INNAGE 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	3,863.98	0	4,252.89	0	4,640.24	0	5,012.26	0	5,364.96	0		0		0		0		0	
1/4	3,872.08	1/4	4,261.00	1/4	4,648.18	1/4	5,019.78	1/4	5,372.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,880.18	1/2	4,269.10	1/2	4,656.11	1/2	5,027.29	1/2	5,379.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,888.29	3/4	4,277.20	3/4	4,664.04	3/4	5,034.81	3/4	5,387.10	3/4		3/4		3/4		3/4		3/4	
1	3,896.39	1	4,285.30	1	4,671.98	1	5,042.33	1	5,394.48	1		1		1		1		1	
1/4	3,904.49	1/4	4,293.41	1/4	4,679.88	1/4	5,049.81	1/4	5,402.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,912.59	1/2	4,301.51	1/2	4,687.78	1/2	5,057.30	1/2	5,410.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,920.70	3/4	4,309.61	3/4	4,695.68	3/4	5,064.79	3/4	5,417.97	3/4		3/4		3/4		3/4		3/4	
2	3,928.80	2	4,317.71	2	4,703.59	2	5,072.27	2	5,425.80	2		2		2		2		2	
1/4	3,936.90	1/4	4,325.82	1/4	4,711.46	1/4	5,079.73	1/4	5,433.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,945.00	1/2	4,333.92	1/2	4,719.33	1/2	5,087.18	1/2	5,441.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,953.11	3/4	4,342.02	3/4	4,727.20	3/4	5,094.64	3/4	5,449.96	3/4		3/4		3/4		3/4		3/4	
3	3,961.21	3	4,350.12	3	4,735.07	3	5,102.09	3	5,458.02	3		3		3		3		3	
1/4	3,969.31	1/4	4,358.23	1/4	4,742.91	1/4	5,109.52	1/4	5,465.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,977.41	1/2	4,366.33	1/2	4,750.76	1/2	5,116.94	1/2	5,473.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,985.52	3/4	4,374.43	3/4	4,758.60	3/4	5,124.37	3/4	5,481.88	3/4		3/4		3/4		3/4		3/4	
4	3,993.62	4	4,382.53	4	4,766.44	4	5,131.79	4	5,489.83	4		4		4		4		4	
1/4	4,001.72	1/4	4,390.64	1/4	4,774.25	1/4	5,139.19	1/4	5,496.98	1/4		1/4		1/4		1/4		1/4	
1/2	4,009.82	1/2	4,398.74	1/2	4,782.06	1/2	5,146.58	1/2	5,504.12	1/2		1/2		1/2		1/2		1/2	
3/4	4,017.93	3/4	4,406.84	3/4	4,789.87	3/4	5,153.97	3/4	5,511.26	3/4		3/4		3/4		3/4		3/4	
5	4,026.03	5	4,414.94	5	4,797.68	5	5,161.37	5	5,518.41	5		5		5		5		5	
1/4	4,034.13	1/4	4,423.05	1/4	4,805.46	1/4	5,168.73	1/4	5,524.03	1/4		1/4		1/4		1/4		1/4	
1/2	4,042.23	1/2	4,431.15	1/2	4,813.24	1/2	5,176.10	1/2	5,529.65	1/2		1/2		1/2		1/2		1/2	
3/4	4,050.33	3/4	4,439.25	3/4	4,821.02	3/4	5,183.46	3/4	5,535.28	3/4		3/4		3/4		3/4		3/4	
6	4,058.44	6	4,447.35	6	4,828.80	6	5,190.82	6	5,540.90	6		6		6		6		6	
1/4	4,066.54	1/4	4,455.45	1/4	4,836.55	1/4	5,198.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,074.64	1/2	4,463.55	1/2	4,844.29	1/2	5,205.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,082.74	3/4	4,471.65	3/4	4,852.04	3/4	5,212.82	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,090.85	7	4,479.75	7	4,859.79	7	5,220.15	7		7		7		7		7		7	
1/4	4,098.95	1/4	4,487.83	1/4	4,867.51	1/4	5,227.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,107.05	1/2	4,495.91	1/2	4,875.23	1/2	5,234.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,115.15	3/4	4,504.00	3/4	4,882.95	3/4	5,242.06	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,123.26	8	4,512.08	8	4,890.66	8	5,249.36	8		8		8		8		8		8	
1/4	4,131.36	1/4	4,520.14	1/4	4,898.33	1/4	5,256.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,139.46	1/2	4,528.19	1/2	4,905.99	1/2	5,263.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,147.56	3/4	4,536.25	3/4	4,913.65	3/4	5,271.17	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,155.67	9	4,544.31	9	4,921.32	9	5,278.44	9		9		9		9		9		9	
1/4	4,163.77	1/4	4,552.33	1/4	4,928.93	1/4	5,285.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,171.87	1/2	4,560.36	1/2	4,936.54	1/2	5,292.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,179.97	3/4	4,568.38	3/4	4,944.15	3/4	5,300.16	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,188.08	10	4,576.41	10	4,951.75	10	5,307.40	10		10		10		10		10		10	
1/4	4,196.18	1/4	4,584.40	1/4	4,959.33	1/4	5,314.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,204.28	1/2	4,592.40	1/2	4,966.91	1/2	5,321.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,212.38	3/4	4,600.39	3/4	4,974.49	3/4	5,329.03	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,220.49	11	4,608.39	11	4,982.07	11	5,336.24	11		11		11		11		11		11	
1/4	4,228.59	1/4	4,616.35	1/4	4,989.62	1/4	5,343.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,236.69	1/2	4,624.32	1/2	4,997.16	1/2	5,350.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,244.79	3/4	4,632.28	3/4	5,004.71	3/4	5,357.78	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "EMS 533"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	12.92	0	362.03	0	720.73	0	1,075.07	0	1,436.57	0	1,798.05	0	2,159.03	0	2,520.39	0	2,881.58	0	3,242.77
1/4	17.95	1/4	369.56	1/4	728.05	1/4	1,082.61	1/4	1,444.10	1/4	1,805.58	1/4	2,166.55	1/4	2,527.92	1/4	2,889.11	1/4	3,250.30
1/2	22.97	1/2	377.10	1/2	735.36	1/2	1,090.14	1/2	1,451.63	1/2	1,813.12	1/2	2,174.07	1/2	2,535.44	1/2	2,896.63	1/2	3,257.82
3/4	27.99	3/4	384.63	3/4	742.68	3/4	1,097.67	3/4	1,459.16	3/4	1,820.65	3/4	2,181.58	3/4	2,542.97	3/4	2,904.16	3/4	3,265.35
1	33.02	1	392.16	1	749.99	1	1,105.20	1	1,466.69	1	1,828.18	1	2,189.10	1	2,550.49	1	2,911.68	1	3,272.87
1/4	39.92	1/4	399.69	1/4	757.31	1/4	1,112.73	1/4	1,474.23	1/4	1,835.71	1/4	2,196.62	1/4	2,558.02	1/4	2,919.21	1/4	3,280.40
1/2	46.83	1/2	407.22	1/2	764.62	1/2	1,120.26	1/2	1,481.76	1/2	1,843.24	1/2	2,204.14	1/2	2,565.54	1/2	2,926.73	1/2	3,287.92
3/4	53.74	3/4	414.75	3/4	771.94	3/4	1,127.79	3/4	1,489.29	3/4	1,850.77	3/4	2,211.66	3/4	2,573.07	3/4	2,934.26	3/4	3,295.45
2	60.64	2	422.28	2	779.25	2	1,135.33	2	1,496.82	2	1,858.30	2	2,219.17	2	2,580.59	2	2,941.78	2	3,302.97
1/4	68.18	1/4	429.81	1/4	786.57	1/4	1,142.86	1/4	1,504.35	1/4	1,865.82	1/4	2,226.70	1/4	2,588.12	1/4	2,949.31	1/4	3,310.50
1/2	75.71	1/2	437.34	1/2	793.89	1/2	1,150.39	1/2	1,511.88	1/2	1,873.35	1/2	2,234.22	1/2	2,595.64	1/2	2,956.83	1/2	3,318.02
3/4	83.25	3/4	444.87	3/4	801.20	3/4	1,157.92	3/4	1,519.41	3/4	1,880.87	3/4	2,241.75	3/4	2,603.17	3/4	2,964.36	3/4	3,325.55
3	90.78	3	452.40	3	808.52	3	1,165.45	3	1,526.94	3	1,888.39	3	2,249.27	3	2,610.69	3	2,971.88	3	3,333.07
1/4	98.32	1/4	459.94	1/4	815.84	1/4	1,172.98	1/4	1,534.47	1/4	1,895.91	1/4	2,256.81	1/4	2,618.22	1/4	2,979.41	1/4	3,340.60
1/2	105.85	1/2	467.47	1/2	823.15	1/2	1,180.51	1/2	1,542.00	1/2	1,903.43	1/2	2,264.34	1/2	2,625.74	1/2	2,986.93	1/2	3,348.12
3/4	113.39	3/4	475.00	3/4	830.47	3/4	1,188.05	3/4	1,549.53	3/4	1,910.95	3/4	2,271.88	3/4	2,633.27	3/4	2,994.46	3/4	3,355.65
4	120.92	4	482.53	4	837.79	4	1,195.58	4	1,557.07	4	1,918.46	4	2,279.41	4	2,640.79	4	3,001.98	4	3,363.17
1/4	128.45	1/4	490.07	1/4	845.10	1/4	1,203.11	1/4	1,564.60	1/4	1,925.98	1/4	2,286.95	1/4	2,648.31	1/4	3,009.51	1/4	3,370.64
1/2	135.99	1/2	497.60	1/2	852.42	1/2	1,210.64	1/2	1,572.13	1/2	1,933.50	1/2	2,294.48	1/2	2,655.84	1/2	3,017.03	1/2	3,378.11
3/4	143.52	3/4	505.14	3/4	859.74	3/4	1,218.17	3/4	1,579.66	3/4	1,941.02	3/4	2,302.01	3/4	2,663.36	3/4	3,024.55	3/4	3,385.58
5	151.06	5	512.67	5	867.05	5	1,225.70	5	1,587.19	5	1,948.54	5	2,309.55	5	2,670.89	5	3,032.08	5	3,393.05
1/4	158.59	1/4	520.21	1/4	874.37	1/4	1,233.23	1/4	1,594.72	1/4	1,956.05	1/4	2,317.08	1/4	2,678.41	1/4	3,039.60	1/4	3,400.46
1/2	166.13	1/2	527.74	1/2	881.69	1/2	1,240.76	1/2	1,602.25	1/2	1,963.57	1/2	2,324.62	1/2	2,685.94	1/2	3,047.13	1/2	3,407.88
3/4	173.66	3/4	535.28	3/4	889.00	3/4	1,248.30	3/4	1,609.78	3/4	1,971.09	3/4	2,332.15	3/4	2,693.46	3/4	3,054.65	3/4	3,415.29
6	181.20	6	542.81	6	896.32	6	1,255.83	6	1,617.31	6	1,978.61	6	2,339.69	6	2,700.99	6	3,062.18	6	3,422.70
1/4	188.73	1/4	550.35	1/4	903.64	1/4	1,263.36	1/4	1,624.84	1/4	1,986.12	1/4	2,347.22	1/4	2,708.51	1/4	3,069.70	1/4	3,430.12
1/2	196.27	1/2	557.88	1/2	910.97	1/2	1,270.89	1/2	1,632.37	1/2	1,993.64	1/2	2,354.75	1/2	2,716.04	1/2	3,077.23	1/2	3,437.53
3/4	203.80	3/4	565.42	3/4	918.29	3/4	1,278.42	3/4	1,639.91	3/4	2,001.16	3/4	2,362.29	3/4	2,723.56	3/4	3,084.75	3/4	3,444.95
7	211.34	7	572.95	7	925.62	7	1,285.95	7	1,647.44	7	2,008.68	7	2,369.82	7	2,731.09	7	3,092.28	7	3,452.36
1/4	218.87	1/4	580.49	1/4	932.95	1/4	1,293.48	1/4	1,654.97	1/4	2,016.19	1/4	2,377.35	1/4	2,738.61	1/4	3,099.80	1/4	3,459.77
1/2	226.41	1/2	588.02	1/2	940.29	1/2	1,301.01	1/2	1,662.50	1/2	2,023.71	1/2	2,384.89	1/2	2,746.14	1/2	3,107.33	1/2	3,467.19
3/4	233.94	3/4	595.56	3/4	947.62	3/4	1,308.55	3/4	1,670.03	3/4	2,031.23	3/4	2,392.42	3/4	2,753.66	3/4	3,114.85	3/4	3,474.60
8	241.48	8	603.09	8	954.96	8	1,316.08	8	1,677.56	8	2,038.75	8	2,399.95	8	2,761.19	8	3,122.38	8	3,482.01
1/4	249.01	1/4	610.53	1/4	962.39	1/4	1,323.61	1/4	1,685.09	1/4	2,046.27	1/4	2,407.49	1/4	2,768.71	1/4	3,129.90	1/4	3,489.43
1/2	256.54	1/2	617.96	1/2	969.83	1/2	1,331.14	1/2	1,692.62	1/2	2,053.78	1/2	2,415.02	1/2	2,776.24	1/2	3,137.43	1/2	3,496.84
3/4	264.08	3/4	625.40	3/4	977.26	3/4	1,338.67	3/4	1,700.15	3/4	2,061.30	3/4	2,422.55	3/4	2,783.76	3/4	3,144.95	3/4	3,504.26
9	271.61	9	632.84	9	984.70	9	1,346.20	9	1,707.68	9	2,068.82	9	2,430.08	9	2,791.29	9	3,152.48	9	3,511.67
1/4	279.15	1/4	640.17	1/4	992.23	1/4	1,353.73	1/4	1,715.21	1/4	2,076.34	1/4	2,437.61	1/4	2,798.81	1/4	3,160.00	1/4	3,519.08
1/2	286.68	1/2	647.51	1/2	999.76	1/2	1,361.26	1/2	1,722.75	1/2	2,083.85	1/2	2,445.14	1/2	2,806.34	1/2	3,167.53	1/2	3,526.50
3/4	294.22	3/4	654.84	3/4	1,007.29	3/4	1,368.79	3/4	1,730.28	3/4	2,091.37	3/4	2,452.67	3/4	2,813.86	3/4	3,175.05	3/4	3,533.91
10	301.75	10	662.18	10	1,014.82	10	1,376.32	10	1,737.81	10	2,098.89	10	2,460.19	10	2,821.39	10	3,182.58	10	3,541.32
1/4	309.29	1/4	669.50	1/4	1,022.35	1/4	1,383.85	1/4	1,745.34	1/4	2,106.41	1/4	2,467.72	1/4	2,828.91	1/4	3,190.10	1/4	3,548.79
1/2	316.82	1/2	676.83	1/2	1,029.89	1/2	1,391.39	1/2	1,752.87	1/2	2,113.93	1/2	2,475.24	1/2	2,836.43	1/2	3,197.63	1/2	3,556.26
3/4	324.36	3/4	684.15	3/4	1,037.42	3/4	1,398.92	3/4	1,760.40	3/4	2,121.44	3/4	2,482.77	3/4	2,843.96	3/4	3,205.15	3/4	3,563.73
11	331.89	11	691.47	11	1,044.95	11	1,406.45	11	1,767.93	11	2,128.96	11	2,490.29	11	2,851.48	11	3,212.67	11	3,571.20
1/4	339.43	1/4	698.79	1/4	1,052.48	1/4	1,413.98	1/4	1,775.46	1/4	2,136.48	1/4	2,497.82	1/4	2,859.01	1/4	3,220.20	1/4	3,578.24
1/2	346.96	1/2	706.10	1/2	1,060.01	1/2	1,421.51	1/2	1,782.99	1/2	2,144.00	1/2	2,505.34	1/2	2,866.53	1/2	3,227.72	1/2	3,585.28
3/4	354.50	3/4	713.42	3/4	1,067.54	3/4	1,429.04	3/4	1,790.52	3/4	2,151.51	3/4	2,512.87	3/4	2,874.06	3/4	3,235.25	3/4	3,592.31

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

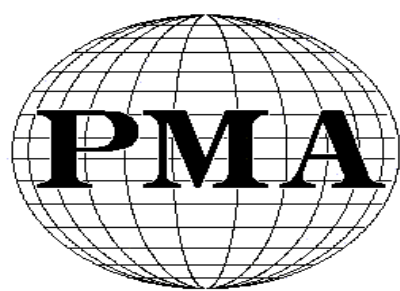
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 533"

3 PORT
INNAGE 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	3,599.35	0	3,800.59	0	3,998.41	0	4,182.11	0	4,347.55	0		0		0		0		0	
1/4	3,603.99	1/4	3,804.74	1/4	4,002.40	1/4	4,185.73	1/4	4,350.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,608.64	1/2	3,808.90	1/2	4,006.40	1/2	4,189.35	1/2	4,354.41	1/2		1/2		1/2		1/2		1/2	
3/4	3,613.28	3/4	3,813.05	3/4	4,010.39	3/4	4,192.97	3/4	4,357.84	3/4		3/4		3/4		3/4		3/4	
1	3,617.92	1	3,817.20	1	4,014.39	1	4,196.58	1	4,361.26	1		1		1		1		1	
1/4	3,622.07	1/4	3,821.35	1/4	4,018.35	1/4	4,200.17	1/4	4,365.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.22	1/2	3,825.50	1/2	4,022.32	1/2	4,203.76	1/2	4,368.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,630.37	3/4	3,829.65	3/4	4,026.28	3/4	4,207.35	3/4	4,372.79	3/4		3/4		3/4		3/4		3/4	
2	3,634.52	2	3,833.81	2	4,030.25	2	4,210.94	2	4,376.63	2		2		2		2		2	
1/4	3,638.68	1/4	3,837.96	1/4	4,034.19	1/4	4,214.50	1/4	4,380.68	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.83	1/2	3,842.11	1/2	4,038.12	1/2	4,218.06	1/2	4,384.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,646.98	3/4	3,846.26	3/4	4,042.06	3/4	4,221.62	3/4	4,388.79	3/4		3/4		3/4		3/4		3/4	
3	3,651.13	3	3,850.41	3	4,046.00	3	4,225.18	3	4,392.84	3		3		3		3		3	
1/4	3,655.28	1/4	3,854.56	1/4	4,049.90	1/4	4,228.72	1/4	4,396.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,659.44	1/2	3,858.72	1/2	4,053.81	1/2	4,232.25	1/2	4,400.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,663.59	3/4	3,862.87	3/4	4,057.72	3/4	4,235.78	3/4	4,404.72	3/4		3/4		3/4		3/4		3/4	
4	3,667.74	4	3,867.02	4	4,061.63	4	4,239.31	4	4,408.68	4		4		4		4		4	
1/4	3,671.89	1/4	3,871.17	1/4	4,065.51	1/4	4,242.81	1/4	4,411.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,676.04	1/2	3,875.32	1/2	4,069.39	1/2	4,246.32	1/2	4,415.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,680.19	3/4	3,879.48	3/4	4,073.27	3/4	4,249.82	3/4	4,418.30	3/4		3/4		3/4		3/4		3/4	
5	3,684.35	5	3,883.63	5	4,077.15	5	4,253.32	5	4,421.50	5		5		5		5		5	
1/4	3,688.50	1/4	3,887.78	1/4	4,081.00	1/4	4,256.80	1/4	4,423.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,692.65	1/2	3,891.93	1/2	4,084.85	1/2	4,260.27	1/2	4,425.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,696.80	3/4	3,896.08	3/4	4,088.70	3/4	4,263.75	3/4	4,426.88	3/4		3/4		3/4		3/4		3/4	
6	3,700.95	6	3,900.23	6	4,092.55	6	4,267.22	6	4,428.67	6		6		6		6		6	
1/4	3,705.10	1/4	3,904.38	1/4	4,096.37	1/4	4,270.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,709.26	1/2	3,908.53	1/2	4,100.20	1/2	4,274.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,713.41	3/4	3,912.68	3/4	4,104.02	3/4	4,277.56	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,717.56	7	3,916.82	7	4,107.84	7	4,281.01	7		7		7		7		7		7	
1/4	3,721.71	1/4	3,920.96	1/4	4,111.63	1/4	4,284.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,725.86	1/2	3,925.09	1/2	4,115.43	1/2	4,287.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.01	3/4	3,929.22	3/4	4,119.22	3/4	4,291.26	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,734.17	8	3,933.36	8	4,123.02	8	4,294.68	8		8		8		8		8		8	
1/4	3,738.32	1/4	3,937.47	1/4	4,126.76	1/4	4,298.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,742.47	1/2	3,941.58	1/2	4,130.51	1/2	4,301.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,746.62	3/4	3,945.68	3/4	4,134.26	3/4	4,304.84	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,750.77	9	3,949.79	9	4,138.01	9	4,308.23	9		9		9		9		9		9	
1/4	3,754.92	1/4	3,953.87	1/4	4,141.71	1/4	4,311.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.08	1/2	3,957.95	1/2	4,145.42	1/2	4,314.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,763.23	3/4	3,962.03	3/4	4,149.12	3/4	4,318.22	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,767.38	10	3,966.11	10	4,152.83	10	4,321.54	10		10		10		10		10		10	
1/4	3,771.53	1/4	3,970.16	1/4	4,156.50	1/4	4,324.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,775.68	1/2	3,974.22	1/2	4,160.18	1/2	4,328.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.83	3/4	3,978.27	3/4	4,163.85	3/4	4,331.34	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,783.99	11	3,982.32	11	4,167.53	11	4,334.61	11		11		11		11		11		11	
1/4	3,788.14	1/4	3,986.34	1/4	4,171.17	1/4	4,337.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,792.29	1/2	3,990.36	1/2	4,174.82	1/2	4,341.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,796.44	3/4	3,994.39	3/4	4,178.47	3/4	4,344.32	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "EMS 533"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	12.92	0	361.63	0	715.82	0	1,059.58	0	1,420.24	0	1,780.35	0	2,136.72	0	2,497.32	0	2,857.67	0	3,218.12
1/4	17.94	1/4	369.16	1/4	722.83	1/4	1,067.09	1/4	1,427.75	1/4	1,787.77	1/4	2,144.23	1/4	2,504.82	1/4	2,865.18	1/4	3,225.63
1/2	22.97	1/2	376.68	1/2	729.84	1/2	1,074.60	1/2	1,435.27	1/2	1,795.19	1/2	2,151.73	1/2	2,512.33	1/2	2,872.69	1/2	3,233.14
3/4	27.99	3/4	384.20	3/4	736.86	3/4	1,082.11	3/4	1,442.78	3/4	1,802.62	3/4	2,159.24	3/4	2,519.83	3/4	2,880.20	3/4	3,240.65
1	33.01	1	391.72	1	743.87	1	1,089.62	1	1,450.29	1	1,810.04	1	2,166.74	1	2,527.34	1	2,887.71	1	3,248.16
1/4	39.92	1/4	399.24	1/4	750.88	1/4	1,097.13	1/4	1,457.81	1/4	1,817.46	1/4	2,174.24	1/4	2,534.84	1/4	2,895.22	1/4	3,255.66
1/2	46.82	1/2	406.75	1/2	757.90	1/2	1,104.64	1/2	1,465.32	1/2	1,824.89	1/2	2,181.75	1/2	2,542.34	1/2	2,902.73	1/2	3,263.17
3/4	53.73	3/4	414.27	3/4	764.91	3/4	1,112.15	3/4	1,472.83	3/4	1,832.31	3/4	2,189.25	3/4	2,549.85	3/4	2,910.24	3/4	3,270.68
2	60.63	2	421.79	2	771.92	2	1,119.67	2	1,480.35	2	1,839.73	2	2,196.75	2	2,557.35	2	2,917.75	2	3,278.19
1/4	68.17	1/4	429.31	1/4	778.94	1/4	1,127.19	1/4	1,487.86	1/4	1,847.15	1/4	2,204.27	1/4	2,564.86	1/4	2,925.26	1/4	3,285.70
1/2	75.70	1/2	436.82	1/2	785.95	1/2	1,134.70	1/2	1,495.38	1/2	1,854.57	1/2	2,211.78	1/2	2,572.36	1/2	2,932.77	1/2	3,293.21
3/4	83.24	3/4	444.34	3/4	792.97	3/4	1,142.22	3/4	1,502.89	3/4	1,861.98	3/4	2,219.29	3/4	2,579.86	3/4	2,940.27	3/4	3,300.72
3	90.77	3	451.86	3	799.98	3	1,149.74	3	1,510.40	3	1,869.40	3	2,226.80	3	2,587.37	3	2,947.78	3	3,308.23
1/4	98.30	1/4	459.38	1/4	807.00	1/4	1,157.25	1/4	1,517.92	1/4	1,876.81	1/4	2,234.32	1/4	2,594.87	1/4	2,955.29	1/4	3,315.74
1/2	105.84	1/2	466.90	1/2	814.01	1/2	1,164.77	1/2	1,525.43	1/2	1,884.22	1/2	2,241.84	1/2	2,602.38	1/2	2,962.80	1/2	3,323.25
3/4	113.37	3/4	474.42	3/4	821.03	3/4	1,172.28	3/4	1,532.94	3/4	1,891.63	3/4	2,249.36	3/4	2,609.88	3/4	2,970.31	3/4	3,330.76
4	120.90	4	481.94	4	828.04	4	1,179.80	4	1,540.46	4	1,899.04	4	2,256.88	4	2,617.38	4	2,977.82	4	3,338.27
1/4	128.43	1/4	489.46	1/4	835.06	1/4	1,187.31	1/4	1,547.97	1/4	1,906.45	1/4	2,264.40	1/4	2,624.89	1/4	2,985.33	1/4	3,345.72
1/2	135.96	1/2	496.99	1/2	842.07	1/2	1,194.83	1/2	1,555.48	1/2	1,913.86	1/2	2,271.92	1/2	2,632.40	1/2	2,992.84	1/2	3,353.18
3/4	143.49	3/4	504.51	3/4	849.09	3/4	1,202.34	3/4	1,563.00	3/4	1,921.27	3/4	2,279.44	3/4	2,639.90	3/4	3,000.35	3/4	3,360.63
5	151.02	5	512.03	5	856.10	5	1,209.86	5	1,570.51	5	1,928.68	5	2,286.96	5	2,647.41	5	3,007.86	5	3,368.08
1/4	158.54	1/4	519.55	1/4	863.11	1/4	1,217.37	1/4	1,578.02	1/4	1,936.09	1/4	2,294.48	1/4	2,654.92	1/4	3,015.37	1/4	3,375.48
1/2	166.06	1/2	527.07	1/2	870.13	1/2	1,224.88	1/2	1,585.54	1/2	1,943.50	1/2	2,302.00	1/2	2,662.43	1/2	3,022.88	1/2	3,382.88
3/4	173.58	3/4	534.60	3/4	877.14	3/4	1,232.40	3/4	1,593.05	3/4	1,950.91	3/4	2,309.52	3/4	2,669.94	3/4	3,030.39	3/4	3,390.28
6	181.10	6	542.12	6	884.15	6	1,239.91	6	1,600.56	6	1,958.32	6	2,317.04	6	2,677.45	6	3,037.90	6	3,397.68
1/4	188.63	1/4	549.64	1/4	891.17	1/4	1,247.43	1/4	1,608.08	1/4	1,965.73	1/4	2,324.56	1/4	2,684.96	1/4	3,045.40	1/4	3,405.08
1/2	196.15	1/2	557.16	1/2	898.19	1/2	1,254.94	1/2	1,615.59	1/2	1,973.14	1/2	2,332.08	1/2	2,692.47	1/2	3,052.91	1/2	3,412.48
3/4	203.67	3/4	564.68	3/4	905.21	3/4	1,262.45	3/4	1,623.10	3/4	1,980.55	3/4	2,339.60	3/4	2,699.98	3/4	3,060.42	3/4	3,419.88
7	211.19	7	572.21	7	912.23	7	1,269.97	7	1,630.62	7	1,987.96	7	2,347.12	7	2,707.49	7	3,067.93	7	3,427.28
1/4	218.71	1/4	579.73	1/4	919.27	1/4	1,277.48	1/4	1,638.13	1/4	1,995.37	1/4	2,354.64	1/4	2,715.00	1/4	3,075.44	1/4	3,434.68
1/2	226.24	1/2	587.25	1/2	926.30	1/2	1,285.00	1/2	1,645.65	1/2	2,002.78	1/2	2,362.16	1/2	2,722.50	1/2	3,082.95	1/2	3,442.08
3/4	233.76	3/4	594.77	3/4	933.34	3/4	1,292.51	3/4	1,653.16	3/4	2,010.19	3/4	2,369.68	3/4	2,730.01	3/4	3,090.46	3/4	3,449.49
8	241.28	8	602.29	8	940.38	8	1,300.02	8	1,660.67	8	2,017.60	8	2,377.20	8	2,737.52	8	3,097.97	8	3,456.89
1/4	248.80	1/4	609.58	1/4	947.66	1/4	1,307.54	1/4	1,668.19	1/4	2,025.01	1/4	2,384.71	1/4	2,745.03	1/4	3,105.48	1/4	3,464.30
1/2	256.33	1/2	616.87	1/2	954.93	1/2	1,315.05	1/2	1,675.70	1/2	2,032.42	1/2	2,392.23	1/2	2,752.54	1/2	3,112.99	1/2	3,471.71
3/4	263.85	3/4	624.16	3/4	962.21	3/4	1,322.56	3/4	1,683.21	3/4	2,039.83	3/4	2,399.74	3/4	2,760.05	3/4	3,120.50	3/4	3,479.12
9	271.37	9	631.44	9	969.48	9	1,330.08	9	1,690.73	9	2,047.24	9	2,407.26	9	2,767.56	9	3,128.01	9	3,486.53
1/4	278.89	1/4	638.49	1/4	976.99	1/4	1,337.59	1/4	1,698.24	1/4	2,054.65	1/4	2,414.77	1/4	2,775.07	1/4	3,135.52	1/4	3,493.94
1/2	286.41	1/2	645.54	1/2	984.50	1/2	1,345.11	1/2	1,705.75	1/2	2,062.06	1/2	2,422.27	1/2	2,782.58	1/2	3,143.03	1/2	3,501.35
3/4	293.94	3/4	652.59	3/4	992.01	3/4	1,352.62	3/4	1,713.27	3/4	2,069.47	3/4	2,429.78	3/4	2,790.09	3/4	3,150.53	3/4	3,508.76
10	301.46	10	659.64	10	999.52	10	1,360.13	10	1,720.78	10	2,076.88	10	2,437.29	10	2,797.60	10	3,158.04	10	3,516.17
1/4	308.98	1/4	666.67	1/4	1,007.02	1/4	1,367.65	1/4	1,728.25	1/4	2,084.34	1/4	2,444.79	1/4	2,805.11	1/4	3,165.55	1/4	3,523.64
1/2	316.50	1/2	673.70	1/2	1,014.53	1/2	1,375.16	1/2	1,735.72	1/2	2,091.80	1/2	2,452.30	1/2	2,812.62	1/2	3,173.06	1/2	3,531.11
3/4	324.02	3/4	680.73	3/4	1,022.04	3/4	1,382.67	3/4	1,743.19	3/4	2,099.25	3/4	2,459.80	3/4	2,820.13	3/4	3,180.57	3/4	3,538.57
11	331.55	11	687.77	11	1,029.55	11	1,390.19	11	1,750.66	11	2,106.71	11	2,467.30	11	2,827.63	11	3,188.08	11	3,546.04
1/4	339.07	1/4	694.78	1/4	1,037.06	1/4	1,397.70	1/4	1,758.08	1/4	2,114.21	1/4	2,474.81	1/4	2,835.14	1/4	3,195.59	1/4	3,553.07
1/2	346.59	1/2	701.79	1/2	1,044.57	1/2	1,405.21	1/2	1,765.50	1/2	2,121.72	1/2	2,482.31	1/2	2,842.65	1/2	3,203.10	1/2	3,560.11
3/4	354.11	3/4	708.81	3/4	1,052.07	3/4	1,412.73	3/4	1,772.92	3/4	2,129.22	3/4	2,489.82	3/4	2,850.16	3/4	3,210.61	3/4	3,567.15

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

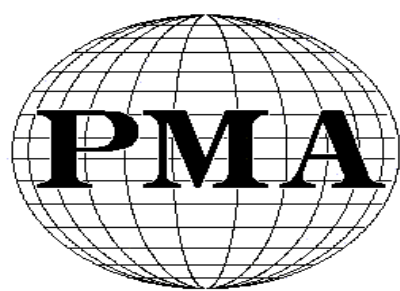
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 533"

3 STBD
INNAGE 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	3,574.19	0	3,775.93	0	3,974.27	0	4,158.54	0	4,324.61	0		0		0		0		0	
1/4	3,578.84	1/4	3,780.10	1/4	3,978.28	1/4	4,162.17	1/4	4,328.05	1/4		1/4		1/4		1/4		1/4	
1/2	3,583.49	1/2	3,784.26	1/2	3,982.28	1/2	4,165.80	1/2	4,331.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,588.14	3/4	3,788.42	3/4	3,986.29	3/4	4,169.43	3/4	4,334.93	3/4		3/4		3/4		3/4		3/4	
1	3,592.79	1	3,792.58	1	3,990.29	1	4,173.06	1	4,338.37	1		1		1		1		1	
1/4	3,596.95	1/4	3,796.75	1/4	3,994.27	1/4	4,176.66	1/4	4,342.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,601.11	1/2	3,800.91	1/2	3,998.25	1/2	4,180.27	1/2	4,346.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,605.27	3/4	3,805.07	3/4	4,002.22	3/4	4,183.87	3/4	4,349.93	3/4		3/4		3/4		3/4		3/4	
2	3,609.44	2	3,809.23	2	4,006.20	2	4,187.47	2	4,353.79	2		2		2		2		2	
1/4	3,613.60	1/4	3,813.39	1/4	4,010.15	1/4	4,191.04	1/4	4,357.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,617.76	1/2	3,817.56	1/2	4,014.10	1/2	4,194.62	1/2	4,361.92	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.92	3/4	3,821.72	3/4	4,018.04	3/4	4,198.19	3/4	4,365.98	3/4		3/4		3/4		3/4		3/4	
3	3,626.09	3	3,825.88	3	4,021.99	3	4,201.76	3	4,370.05	3		3		3		3		3	
1/4	3,630.25	1/4	3,830.04	1/4	4,025.91	1/4	4,205.31	1/4	4,374.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.41	1/2	3,834.21	1/2	4,029.83	1/2	4,208.85	1/2	4,377.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,638.57	3/4	3,838.37	3/4	4,033.75	3/4	4,212.40	3/4	4,381.96	3/4		3/4		3/4		3/4		3/4	
4	3,642.74	4	3,842.53	4	4,037.67	4	4,215.94	4	4,385.93	4		4		4		4		4	
1/4	3,646.90	1/4	3,846.69	1/4	4,041.56	1/4	4,219.46	1/4	4,389.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,651.06	1/2	3,850.86	1/2	4,045.45	1/2	4,222.98	1/2	4,392.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,655.22	3/4	3,855.02	3/4	4,049.35	3/4	4,226.49	3/4	4,395.58	3/4		3/4		3/4		3/4		3/4	
5	3,659.39	5	3,859.18	5	4,053.24	5	4,230.01	5	4,398.79	5		5		5		5		5	
1/4	3,663.55	1/4	3,863.34	1/4	4,057.10	1/4	4,233.50	1/4	4,400.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,667.71	1/2	3,867.51	1/2	4,060.96	1/2	4,236.98	1/2	4,402.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.87	3/4	3,871.67	3/4	4,064.82	3/4	4,240.47	3/4	4,404.21	3/4		3/4		3/4		3/4		3/4	
6	3,676.04	6	3,875.83	6	4,068.69	6	4,243.96	6	4,406.01	6		6		6		6		6	
1/4	3,680.20	1/4	3,879.99	1/4	4,072.52	1/4	4,247.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,684.36	1/2	3,884.15	1/2	4,076.36	1/2	4,250.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,688.52	3/4	3,888.31	3/4	4,080.19	3/4	4,254.34	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,692.69	7	3,892.46	7	4,084.02	7	4,257.80	7		7		7		7		7		7	
1/4	3,696.85	1/4	3,896.61	1/4	4,087.83	1/4	4,261.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,701.01	1/2	3,900.75	1/2	4,091.64	1/2	4,264.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,705.17	3/4	3,904.90	3/4	4,095.44	3/4	4,268.09	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,709.33	8	3,909.04	8	4,099.25	8	4,271.52	8		8		8		8		8		8	
1/4	3,713.50	1/4	3,913.16	1/4	4,103.01	1/4	4,274.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,717.66	1/2	3,917.28	1/2	4,106.77	1/2	4,278.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,721.82	3/4	3,921.40	3/4	4,110.53	3/4	4,281.72	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,725.98	9	3,925.52	9	4,114.29	9	4,285.13	9		9		9		9		9		9	
1/4	3,730.15	1/4	3,929.61	1/4	4,118.01	1/4	4,288.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,734.31	1/2	3,933.70	1/2	4,121.72	1/2	4,291.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,738.47	3/4	3,937.79	3/4	4,125.44	3/4	4,295.15	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,742.63	10	3,941.88	10	4,129.15	10	4,298.49	10		10		10		10		10		10	
1/4	3,746.80	1/4	3,945.95	1/4	4,132.84	1/4	4,301.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,750.96	1/2	3,950.01	1/2	4,136.53	1/2	4,305.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,755.12	3/4	3,954.07	3/4	4,140.22	3/4	4,308.33	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,759.28	11	3,958.13	11	4,143.90	11	4,311.61	11		11		11		11		11		11	
1/4	3,763.45	1/4	3,962.17	1/4	4,147.56	1/4	4,314.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,767.61	1/2	3,966.20	1/2	4,151.22	1/2	4,318.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,771.77	3/4	3,970.24	3/4	4,154.88	3/4	4,321.36	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/19/2025 JS
CALCULATED: 06/20/2025 CL
PRINTED: 06/20/2025 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2025

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