

BARGE "EMS 530"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{array}{lcl} \text{FWD. DRAFT} & = & 2'-00'' \\ \text{AFT DRAFT} & = & 4'-00'' \\ \text{DIFF.} & = & 2'-00'' \quad (\text{DOWN BY STERN}) \end{array}$$

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"

August 26, 2024

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "EMS 530"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I
0	10.14	0	289.53	0	541.09	0	844.92	0	1,170.71	0	1,501.57	0	1,832.43	0	2,163.25	0	2,493.98	0	2,824.71
1/4	13.46	1/4	265.18	1/4	547.20	1/4	851.51	1/4	1,177.60	1/4	1,508.46	1/4	1,839.33	1/4	2,170.14	1/4	2,500.97	1/4	2,831.60
1/2	16.78	1/2	270.83	1/2	553.30	1/2	858.11	1/2	1,184.49	1/2	1,515.36	1/2	1,846.22	1/2	2,177.03	1/2	2,507.78	1/2	2,838.50
3/4	20.11	3/4	276.48	3/4	559.40	3/4	864.71	3/4	1,191.39	3/4	1,522.25	3/4	1,853.11	3/4	2,183.92	3/4	2,514.66	3/4	2,845.39
1	23.43	1	282.14	1	565.50	1	871.31	1	1,198.28	1	1,529.14	1	1,860.01	1	2,190.81	1	2,521.54	1	2,852.28
1 1/4	26.08	1 1/4	287.83	1 1/4	571.64	1 1/4	877.95	1 1/4	1,205.17	1 1/4	1,536.04	1 1/4	1,866.90	1 1/4	2,197.70	1 1/4	2,528.43	1 1/4	2,859.17
1 1/2	28.72	1 1/2	293.51	1 1/2	577.78	1 1/2	884.58	1 1/2	1,212.06	1 1/2	1,542.92	1 1/2	1,873.79	1 1/2	2,204.59	1 1/2	2,535.32	1 1/2	2,866.06
1 3/4	31.37	1 3/4	299.20	1 3/4	583.93	1 3/4	891.22	1 3/4	1,218.96	1 3/4	1,549.82	1 3/4	1,880.69	1 3/4	2,211.48	1 3/4	2,542.21	1 3/4	2,872.95
2	42.02	2	304.88	2	590.07	2	897.86	2	1,225.85	2	1,556.71	2	1,887.58	2	2,218.37	2	2,549.10	2	2,879.84
2 1/4	47.28	2 1/4	310.62	2 1/4	596.25	2 1/4	904.53	2 1/4	1,232.74	2 1/4	1,563.61	2 1/4	1,894.47	2 1/4	2,225.26	2 1/4	2,555.99	2 1/4	2,886.73
2 1/2	52.54	2 1/2	316.35	2 1/2	602.43	2 1/2	911.21	2 1/2	1,239.64	2 1/2	1,570.50	2 1/2	1,901.36	2 1/2	2,232.15	2 1/2	2,562.88	2 1/2	2,893.62
2 3/4	57.80	2 3/4	322.08	2 3/4	608.62	2 3/4	917.88	2 3/4	1,246.53	2 3/4	1,577.39	2 3/4	1,908.26	2 3/4	2,239.04	2 3/4	2,569.77	2 3/4	2,900.51
3	63.06	3	327.81	3	614.80	3	924.57	3	1,253.42	3	1,584.29	3	1,915.15	3	2,245.93	3	2,576.66	3	2,907.40
3 1/4	68.36	3 1/4	333.58	3 1/4	621.02	3 1/4	931.28	3 1/4	1,260.32	3 1/4	1,591.18	3 1/4	1,922.04	3 1/4	2,252.82	3 1/4	2,583.55	3 1/4	2,914.29
3 1/2	73.66	3 1/2	339.35	3 1/2	627.24	3 1/2	938.00	3 1/2	1,267.21	3 1/2	1,598.07	3 1/2	1,928.84	3 1/2	2,259.71	3 1/2	2,590.44	3 1/2	2,921.18
3 3/4	78.96	3 3/4	345.12	3 3/4	633.47	3 3/4	944.71	3 3/4	1,274.10	3 3/4	1,604.97	3 3/4	1,935.83	3 3/4	2,266.60	3 3/4	2,597.33	3 3/4	2,928.07
4	84.26	4	350.88	4	639.89	4	951.43	4	1,280.98	4	1,611.86	4	1,942.72	4	2,273.49	4	2,604.23	4	2,934.96
4 1/4	89.60	4 1/4	356.70	4 1/4	646.95	4 1/4	958.18	4 1/4	1,287.89	4 1/4	1,618.75	4 1/4	1,949.62	4 1/4	2,280.38	4 1/4	2,611.12	4 1/4	2,941.85
4 1/2	94.94	4 1/2	362.51	4 1/2	653.21	4 1/2	964.94	4 1/2	1,294.78	4 1/2	1,625.64	4 1/2	1,956.51	4 1/2	2,287.27	4 1/2	2,618.01	4 1/2	2,948.75
4 3/4	100.28	4 3/4	368.32	4 3/4	659.47	4 3/4	971.69	4 3/4	1,301.67	4 3/4	1,632.54	4 3/4	1,963.40	4 3/4	2,294.16	4 3/4	2,624.90	4 3/4	2,955.64
5	105.62	5	374.13	5	664.74	5	978.45	5	1,308.56	5	1,639.43	5	1,970.28	5	2,301.05	5	2,631.79	5	2,962.53
5 1/4	111.00	5 1/4	379.98	5 1/4	671.04	5 1/4	985.24	5 1/4	1,315.46	5 1/4	1,646.32	5 1/4	1,977.19	5 1/4	2,307.94	5 1/4	2,638.88	5 1/4	2,969.42
5 1/2	116.38	5 1/2	385.83	5 1/2	677.34	5 1/2	992.04	5 1/2	1,322.35	5 1/2	1,653.22	5 1/2	1,984.08	5 1/2	2,314.83	5 1/2	2,645.77	5 1/2	2,976.31
5 3/4	121.75	5 3/4	391.68	5 3/4	683.64	5 3/4	998.83	5 3/4	1,329.25	5 3/4	1,660.11	5 3/4	1,990.87	5 3/4	2,321.72	5 3/4	2,652.66	5 3/4	2,983.20
6	127.13	6	397.54	6	689.94	6	1,005.63	6	1,336.14	6	1,667.00	6	1,997.77	6	2,328.61	6	2,659.55	6	2,990.09
6 1/4	132.55	6 1/4	403.43	6 1/4	696.29	6 1/4	1,012.46	6 1/4	1,343.03	6 1/4	1,673.89	6 1/4	2,004.76	6 1/4	2,335.50	6 1/4	2,666.44	6 1/4	2,996.98
6 1/2	137.97	6 1/2	409.32	6 1/2	702.63	6 1/2	1,019.30	6 1/2	1,349.92	6 1/2	1,680.79	6 1/2	2,011.65	6 1/2	2,342.39	6 1/2	2,673.33	6 1/2	3,003.87
6 3/4	143.39	6 3/4	415.21	6 3/4	708.98	6 3/4	1,026.13	6 3/4	1,356.82	6 3/4	1,687.68	6 3/4	2,018.55	6 3/4	2,349.28	6 3/4	2,680.22	6 3/4	3,010.76
7	148.81	7	421.10	7	715.33	7	1,032.96	7	1,363.71	7	1,694.57	7	2,025.44	7	2,356.17	7	2,687.11	7	3,017.65
7 1/4	154.26	7 1/4	427.03	7 1/4	721.73	7 1/4	1,039.83	7 1/4	1,370.60	7 1/4	1,701.47	7 1/4	2,032.33	7 1/4	2,363.06	7 1/4	2,693.90	7 1/4	3,024.54
7 1/2	159.72	7 1/2	432.95	7 1/2	728.13	7 1/2	1,046.70	7 1/2	1,377.50	7 1/2	1,708.36	7 1/2	2,039.22	7 1/2	2,369.95	7 1/2	2,700.89	7 1/2	3,031.43
7 3/4	165.18	7 3/4	438.88	7 3/4	734.52	7 3/4	1,053.57	7 3/4	1,384.38	7 3/4	1,715.25	7 3/4	2,046.11	7 3/4	2,376.85	7 3/4	2,707.86	7 3/4	3,038.32
8	170.63	8	444.81	8	740.92	8	1,060.44	8	1,391.28	8	1,722.15	8	2,053.00	8	2,383.74	8	2,714.77	8	3,045.21
8 1/4	176.13	8 1/4	450.78	8 1/4	747.36	8 1/4	1,067.33	8 1/4	1,398.18	8 1/4	1,729.04	8 1/4	2,059.89	8 1/4	2,390.63	8 1/4	2,721.66	8 1/4	3,052.10
8 1/2	181.63	8 1/2	456.75	8 1/2	753.80	8 1/2	1,074.21	8 1/2	1,405.07	8 1/2	1,735.93	8 1/2	2,066.78	8 1/2	2,397.52	8 1/2	2,728.55	8 1/2	3,059.08
8 3/4	187.13	8 3/4	462.72	8 3/4	760.24	8 3/4	1,081.10	8 3/4	1,411.96	8 3/4	1,742.83	8 3/4	2,073.67	8 3/4	2,404.41	8 3/4	2,735.44	8 3/4	3,065.98
9	192.62	9	468.89	9	766.68	9	1,087.99	9	1,418.85	9	1,749.72	9	2,080.56	9	2,411.30	9	2,742.33	9	3,072.87
9 1/4	198.16	9 1/4	474.89	9 1/4	773.16	9 1/4	1,094.88	9 1/4	1,425.75	9 1/4	1,756.61	9 1/4	2,087.45	9 1/4	2,418.19	9 1/4	2,749.22	9 1/4	3,079.76
9 1/2	203.69	9 1/2	480.70	9 1/2	779.64	9 1/2	1,101.79	9 1/2	1,432.64	9 1/2	1,763.50	9 1/2	2,094.34	9 1/2	2,425.08	9 1/2	2,756.11	9 1/2	3,086.65
9 3/4	209.23	9 3/4	486.70	9 3/4	786.12	9 3/4	1,108.67	9 3/4	1,439.53	9 3/4	1,770.40	9 3/4	2,101.23	9 3/4	2,431.97	9 3/4	2,762.99	9 3/4	3,093.54
10	214.77	10	492.71	10	792.60	10	1,115.56	10	1,446.43	10	1,777.29	10	2,108.12	10	2,438.86	10	2,769.89	10	3,100.43
10 1/4	220.34	10 1/4	498.74	10 1/4	799.12	10 1/4	1,122.46	10 1/4	1,453.32	10 1/4	1,784.18	10 1/4	2,115.01	10 1/4	2,445.75	10 1/4	2,776.84	10 1/4	3,107.33
10 1/2	225.92	10 1/2	504.77	10 1/2	805.64	10 1/2	1,129.35	10 1/2	1,460.21	10 1/2	1,791.08	10 1/2	2,121.90	10 1/2	2,452.64	10 1/2	2,783.77	10 1/2	3,114.22
10 3/4	231.49	10 3/4	510.81	10 3/4	812.16	10 3/4	1,136.24	10 3/4	1,467.10	10 3/4	1,797.97	10 3/4	2,128.79	10 3/4	2,459.53	10 3/4	2,790.66	10 3/4	3,121.11
11	237.07	11	516.84	11	818.68	11	1,143.13	11	1,474.00	11	1,804.86	11	2,135.68	11	2,466.42	11	2,797.55	11	3,127.90
11 1/4	242.68	11 1/4	522.90	11 1/4	825.24	11 1/4	1,150.03	11 1/4	1,480.89	11 1/4	1,811.76	11 1/4	2,142.57	11 1/4	2,473.31	11 1/4	2,804.44	11 1/4	3,134.79
11 1/2	248.30	11 1/2	528.97	11 1/2	831.80	11 1/2	1,156.92	11 1/2	1,487.78	11 1/2	1,818.65	11 1/2	2,149.47	11 1/2	2,480.20	11 1/2	2,810.93	11 1/2	3,141.68
11 3/4	253.91	11 3/4	535.03	11 3/4	838.36	11 3/4	1,163.81	11 3/4	1,494.68	11 3/4	1,825.54	11 3/4	2,156.36	11 3/4	2,487.09	11 3/4	2,817.82	11 3/4	3,148.57

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 UP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2062

Portland, Texas 77858



BARGE "EMS 530"

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	3,155.46	1/4	3,486.19	1/4	3,815.59	1/4	4,131.95	1/4	4,431.88	1/4	4,726.18	1/4	5,014.86	1/4	5,296.91	1/4	5,572.34	1/4	5,841.16
1/2	3,162.35	1/2	3,493.08	1/2	3,822.33	1/2	4,138.34	1/2	4,438.16	1/2	4,726.18	1/2	5,014.86	1/2	5,296.91	1/2	5,572.34	1/2	5,841.16
3/4	3,169.24	3/4	3,499.97	3/4	3,829.08	3/4	4,144.73	3/4	4,444.44	3/4	4,732.29	3/4	5,021.18	3/4	5,309.11	3/4	5,597.04	3/4	5,884.97
1	3,176.13	1	3,506.86	1	3,835.83	1	4,151.13	1	4,450.72	1	4,739.65	1	5,028.62	1	5,317.59	1	5,606.56	1	5,895.53
1/4	3,183.02	1/4	3,513.75	1/4	3,842.57	1/4	4,157.52	1/4	4,457.00	1/4	4,745.93	1/4	5,034.86	1/4	5,323.83	1/4	5,612.80	1/4	5,901.77
1/2	3,189.91	1/2	3,520.64	1/2	3,849.29	1/2	4,163.89	1/2	4,463.86	1/2	4,752.79	1/2	5,041.72	1/2	5,330.69	1/2	5,619.66	1/2	5,908.63
3/4	3,196.80	3/4	3,527.53	3/4	3,856.01	3/4	4,170.25	3/4	4,470.31	3/4	4,759.24	3/4	5,048.11	3/4	5,337.08	3/4	5,626.05	3/4	5,915.02
1	3,203.69	1	3,534.42	1	3,862.73	1	4,176.02	1	4,476.87	1	4,765.80	1	5,055.04	1	5,343.97	1	5,632.94	1	5,921.91
1/4	3,210.58	1/4	3,541.31	1/4	3,869.45	1/4	4,182.98	1/4	4,483.83	1/4	4,772.76	1/4	5,061.91	1/4	5,350.84	1/4	5,639.81	1/4	5,928.78
1/2	3,217.47	1/2	3,548.20	1/2	3,876.15	1/2	4,189.32	1/2	4,490.48	1/2	4,779.41	1/2	5,068.98	1/2	5,357.91	1/2	5,646.88	1/2	5,935.85
3/4	3,224.36	3/4	3,555.09	3/4	3,882.84	3/4	4,195.66	3/4	4,497.33	3/4	4,786.36	3/4	5,076.03	3/4	5,365.06	3/4	5,654.03	3/4	5,942.99
1	3,231.25	1	3,561.98	1	3,889.54	1	4,202.01	1	4,504.18	1	4,793.21	1	5,082.14	1	5,371.17	1	5,660.20	1	5,949.23
1/4	3,238.14	1/4	3,568.87	1/4	3,896.23	1/4	4,208.35	1/4	4,511.03	1/4	4,800.06	1/4	5,089.09	1/4	5,378.12	1/4	5,667.15	1/4	5,956.18
1/2	3,245.03	1/2	3,575.76	1/2	3,902.90	1/2	4,214.86	1/2	4,517.79	1/2	4,806.82	1/2	5,095.85	1/2	5,385.10	1/2	5,674.13	1/2	5,963.16
3/4	3,251.92	3/4	3,582.65	3/4	3,909.57	3/4	4,220.97	3/4	4,524.66	3/4	4,813.69	3/4	5,102.72	3/4	5,391.75	3/4	5,680.78	3/4	5,969.81
1	3,258.81	1	3,589.54	1	3,916.23	1	4,227.29	1	4,531.32	1	4,820.35	1	5,109.38	1	5,398.41	1	5,687.44	1	5,976.84
1/4	3,265.70	1/4	3,596.43	1/4	3,922.90	1/4	4,233.60	1/4	4,538.08	1/4	4,827.11	1/4	5,116.14	1/4	5,405.17	1/4	5,694.20	1/4	5,983.23
1/2	3,272.59	1/2	3,603.32	1/2	3,929.54	1/2	4,239.89	1/2	4,544.16	1/2	4,833.21	1/2	5,123.24	1/2	5,411.27	1/2	5,700.30	1/2	5,989.33
3/4	3,279.48	3/4	3,610.21	3/4	3,936.19	3/4	4,246.18	3/4	4,550.24	3/4	4,840.27	3/4	5,129.30	3/4	5,417.33	3/4	5,705.36	3/4	5,995.39
1	3,286.37	1	3,617.10	1	3,942.83	1	4,252.47	1	4,556.31	1	4,846.34	1	5,136.37	1	5,424.40	1	5,712.43	1	6,000.46
1/4	3,293.26	1/4	3,623.99	1/4	3,949.47	1/4	4,258.75	1/4	4,562.38	1/4	4,852.41	1/4	5,143.44	1/4	5,431.47	1/4	5,719.50	1/4	6,007.53
1/2	3,300.15	1/2	3,630.88	1/2	3,956.08	1/2	4,265.02	1/2	4,567.17	1/2	4,859.54	1/2	5,150.57	1/2	5,439.60	1/2	5,727.63	1/2	6,015.66
3/4	3,307.04	3/4	3,637.77	3/4	3,962.70	3/4	4,271.28	3/4	4,573.15	3/4	4,865.52	3/4	5,157.55	3/4	5,446.58	3/4	5,734.61	3/4	6,023.79
1	3,313.93	1	3,644.66	1	3,969.32	1	4,277.54	1	4,579.32	1	4,871.69	1	5,164.72	1	5,453.75	1	5,741.78	1	6,031.90
1/4	3,320.82	1/4	3,651.55	1/4	3,975.93	1/4	4,283.80	1/4	4,585.82	1/4	4,881.87	1/4	5,171.79	1/4	5,460.82	1/4	5,748.85	1/4	6,039.97
1/2	3,327.71	1/2	3,658.44	1/2	3,982.52	1/2	4,290.04	1/2	4,592.00	1/2	4,888.00	1/2	5,178.84	1/2	5,467.87	1/2	5,755.90	1/2	6,048.04
3/4	3,334.60	3/4	3,665.33	3/4	3,989.11	3/4	4,296.27	3/4	4,598.23	3/4	4,894.27	3/4	5,185.32	3/4	5,474.92	3/4	5,762.95	3/4	6,056.11
1	3,341.49	1	3,672.22	1	3,995.70	1	4,302.51	1	4,604.51	1	4,900.55	1	5,192.58	1	5,482.01	1	5,770.04	1	6,064.18
1/4	3,348.38	1/4	3,679.10	1/4	4,002.29	1/4	4,308.74	1/4	4,610.74	1/4	4,906.78	1/4	5,199.81	1/4	5,489.24	1/4	5,777.27	1/4	6,072.25
1/2	3,355.27	1/2	3,685.98	1/2	4,008.85	1/2	4,314.95	1/2	4,616.95	1/2	4,913.00	1/2	5,206.96	1/2	5,496.45	1/2	5,784.48	1/2	6,080.32
3/4	3,362.16	3/4	3,692.85	3/4	4,015.41	3/4	4,321.16	3/4	4,623.16	3/4	4,919.21	3/4	5,214.21	3/4	5,503.65	3/4	5,791.71	3/4	6,088.39
1	3,369.05	1	3,699.73	1	4,021.98	1	4,327.37	1	4,629.37	1	4,925.42	1	5,221.42	1	5,510.86	1	5,800.00	1	6,096.46
1/4	3,375.94	1/4	3,706.60	1/4	4,028.54	1/4	4,333.58	1/4	4,635.58	1/4	4,931.63	1/4	5,228.63	1/4	5,517.07	1/4	5,807.17	1/4	6,104.53
1/2	3,382.83	1/2	3,713.45	1/2	4,035.06	1/2	4,339.76	1/2	4,641.76	1/2	4,937.81	1/2	5,235.84	1/2	5,524.28	1/2	5,814.34	1/2	6,112.60
3/4	3,389.72	3/4	3,720.30	3/4	4,041.57	3/4	4,345.95	3/4	4,647.95	3/4	4,944.00	3/4	5,242.05	3/4	5,531.49	3/4	5,821.49	3/4	6,120.67
1	3,396.61	1	3,727.15	1	4,048.09	1	4,352.13	1	4,654.13	1	4,950.18	1	5,249.26	1	5,538.70	1	5,828.70	1	6,128.74
1/4	3,403.50	1/4	3,734.00	1/4	4,054.61	1/4	4,358.31	1/4	4,660.31	1/4	4,956.36	1/4	5,256.46	1/4	5,545.91	1/4	5,835.91	1/4	6,136.81
1/2	3,410.39	1/2	3,740.85	1/2	4,061.08	1/2	4,364.47	1/2	4,666.47	1/2	4,962.51	1/2	5,263.61	1/2	5,553.01	1/2	5,843.01	1/2	6,144.88
3/4	3,417.28	3/4	3,747.65	3/4	4,067.55	3/4	4,370.63	3/4	4,672.63	3/4	4,968.66	3/4	5,270.81	3/4	5,560.21	3/4	5,850.21	3/4	6,152.95
1	3,424.17	1	3,754.48	1	4,074.02	1	4,376.79	1	4,678.79	1	4,974.81	1	5,277.00	1	5,567.40	1	5,857.40	1	6,161.02
1/4	3,431.06	1/4	3,761.30	1/4	4,080.49	1/4	4,382.94	1/4	4,684.94	1/4	4,981.00	1/4	5,284.19	1/4	5,574.59	1/4	5,864.59	1/4	6,169.09
1/2	3,437.95	1/2	3,768.10	1/2	4,086.94	1/2	4,389.07	1/2	4,691.07	1/2	4,987.13	1/2	5,291.38	1/2	5,581.78	1/2	5,871.78	1/2	6,177.16
3/4	3,444.84	3/4	3,774.90	3/4	4,093.38	3/4	4,395.20	3/4	4,697.20	3/4	4,993.24	3/4	5,298.57	3/4	5,588.97	3/4	5,878.97	3/4	6,185.23
1	3,451.74	1	3,781.70	1	4,099.83	1	4,401.33	1	4,703.33	1	4,999.37	1	5,305.76	1	5,596.16	1	5,886.16	1	6,193.30
1/4	3,458.63	1/4	3,788.50	1/4	4,106.27	1/4	4,407.47	1/4	4,709.47	1/4	4,995.41	1/4	5,312.95	1/4	5,603.35	1/4	5,893.35	1/4	6,201.37
1/2	3,465.52	1/2	3,795.27	1/2	4,112.69	1/2	4,413.57	1/2	4,715.57	1/2	4,997.55	1/2	5,320.14	1/2	5,610.54	1/2	5,900.54	1/2	6,209.44
3/4	3,472.41	3/4	3,802.04	3/4	4,119.11	3/4	4,419.68	3/4	4,721.68	3/4	4,999.63	3/4	5,327.33	3/4	5,617.73	3/4	5,907.73	3/4	6,217.51
1	3,479.30	1	3,808.82	1	4,125.53	1	4,425.78	1	4,727.78	1	5,005.72	1	5,334.52	1	5,624.92	1	5,914.92	1	6,225.58

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SY
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2024

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2002

Pasadena, Texas 77068



BARGE "EMS 530"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	10.15	0	259.78	0	541.64	0	845.32	0	1,170.93	0	1,592.17	0	1,935.41	0	2,164.81	0	2,492.73	0	2,826.84
1/4	13.48	1/4	285.44	1/4	547.74	1/4	851.90	1/4	1,177.53	1/4	1,599.07	1/4	1,940.31	1/4	2,171.51	1/4	2,502.62	1/4	2,833.74
1/2	16.80	1/2	277.09	1/2	553.85	1/2	858.49	1/2	1,184.73	1/2	1,515.97	1/2	1,847.21	1/2	2,178.40	1/2	2,509.52	1/2	2,840.64
3/4	20.13	3/4	276.75	3/4	559.96	3/4	865.07	3/4	1,191.63	3/4	1,522.87	3/4	1,854.71	3/4	2,185.30	3/4	2,516.42	3/4	2,847.54
1	23.45	1	282.41	1	566.07	1	871.66	1	1,198.53	1	1,529.77	1	1,861.02	1	2,192.20	1	2,523.32	1	2,854.44
1 1/4	26.78	1 1/4	288.11	1 1/4	572.22	1 1/4	878.28	1 1/4	1,205.43	1 1/4	1,536.67	1 1/4	1,867.92	1 1/4	2,199.10	1 1/4	2,530.22	1 1/4	2,861.34
1 1/2	28.75	1 1/2	293.80	1 1/2	578.37	1 1/2	884.90	1 1/2	1,212.33	1 1/2	1,543.57	1 1/2	1,874.82	1 1/2	2,206.00	1 1/2	2,537.12	1 1/2	2,868.23
3/4	37.41	3/4	289.50	3/4	584.51	3/4	891.53	3/4	1,219.23	3/4	1,550.48	3/4	1,881.72	3/4	2,212.90	3/4	2,544.01	3/4	2,875.13
2	42.06	2	305.19	2	590.66	2	898.15	2	1,226.13	2	1,556.28	2	1,888.62	2	2,219.79	2	2,550.91	2	2,882.03
1 1/4	47.32	1 1/4	310.92	1 1/4	596.85	1 1/4	904.81	1 1/4	1,233.03	1 1/4	1,564.26	1 1/4	1,896.62	1 1/4	2,226.89	1 1/4	2,557.81	1 1/4	2,888.93
1 1/2	52.59	1 1/2	316.66	1 1/2	603.04	1 1/2	918.14	1 1/2	1,239.83	1 1/2	1,571.18	1 1/2	1,902.42	1 1/2	2,233.59	1 1/2	2,564.71	1 1/2	2,895.83
3/4	57.85	3/4	322.39	3/4	608.23	3/4	924.80	3/4	1,246.84	3/4	1,578.08	3/4	1,908.32	3/4	2,240.49	3/4	2,571.61	3/4	2,902.73
3	63.12	3	328.13	3	615.42	3	931.50	3	1,253.74	3	1,584.98	3	1,916.22	3	2,247.39	3	2,578.51	3	2,909.62
1 1/4	68.43	1 1/4	333.90	1 1/4	621.65	1 1/4	937.81	1 1/4	1,260.64	1 1/4	1,591.89	1 1/4	1,923.12	1 1/4	2,254.29	1 1/4	2,585.40	1 1/4	2,916.52
1 1/2	73.73	1 1/2	339.68	1 1/2	627.88	1 1/2	944.31	1 1/2	1,267.54	1 1/2	1,598.78	1 1/2	1,930.02	1 1/2	2,261.18	1 1/2	2,592.30	1 1/2	2,923.42
3/4	79.04	3/4	345.48	3/4	634.11	3/4	951.61	3/4	1,274.44	3/4	1,605.68	3/4	1,936.83	3/4	2,268.08	3/4	2,599.20	3/4	2,930.32
4	84.34	4	351.23	4	640.34	4	958.35	4	1,281.34	4	1,612.58	4	1,943.83	4	2,274.98	4	2,606.10	4	2,937.22
1 1/4	89.69	1 1/4	357.05	1 1/4	646.61	1 1/4	965.35	1 1/4	1,288.24	1 1/4	1,619.48	1 1/4	1,950.73	1 1/4	2,281.88	1 1/4	2,613.00	1 1/4	2,944.12
1 1/2	95.03	1 1/2	362.87	1 1/2	652.87	1 1/2	971.84	1 1/2	1,295.14	1 1/2	1,626.39	1 1/2	1,957.63	1 1/2	2,288.78	1 1/2	2,619.90	1 1/2	2,951.01
3/4	100.37	3/4	368.68	3/4	659.14	3/4	978.98	3/4	1,302.04	3/4	1,633.29	3/4	1,964.53	3/4	2,295.68	3/4	2,626.79	3/4	2,957.91
5	105.72	5	374.50	5	665.41	5	986.36	5	1,308.94	5	1,640.19	5	1,971.43	5	2,302.57	5	2,633.69	5	2,964.81
1 1/4	111.10	1 1/4	380.36	1 1/4	671.72	1 1/4	993.66	1 1/4	1,315.84	1 1/4	1,647.09	1 1/4	1,978.33	1 1/4	2,309.47	1 1/4	2,640.59	1 1/4	2,971.71
1 1/2	116.49	1 1/2	386.21	1 1/2	678.03	1 1/2	999.22	1 1/2	1,322.75	1 1/2	1,653.99	1 1/2	1,985.23	1 1/2	2,316.37	1 1/2	2,647.49	1 1/2	2,978.61
3/4	121.87	3/4	392.07	3/4	684.33	3/4	1,005.70	3/4	1,329.65	3/4	1,660.89	3/4	1,992.13	3/4	2,323.27	3/4	2,654.39	3/4	2,985.51
6	127.25	6	397.93	6	690.64	6	1,012.53	6	1,336.55	6	1,667.79	6	1,999.03	6	2,330.17	6	2,661.29	6	2,992.40
1 1/4	132.68	1 1/4	403.82	1 1/4	696.99	1 1/4	1,019.36	1 1/4	1,343.45	1 1/4	1,674.69	1 1/4	2,005.93	1 1/4	2,337.08	1 1/4	2,668.18	1 1/4	2,999.30
1 1/2	138.10	1 1/2	409.72	1 1/2	703.33	1 1/2	1,026.20	1 1/2	1,350.35	1 1/2	1,681.59	1 1/2	2,012.84	1 1/2	2,343.96	1 1/2	2,675.08	1 1/2	3,006.20
3/4	143.52	3/4	415.62	3/4	709.87	3/4	1,033.03	3/4	1,357.25	3/4	1,688.49	3/4	2,019.74	3/4	2,350.86	3/4	2,681.98	3/4	3,013.10
7	148.95	7	421.51	7	716.02	7	1,039.90	7	1,364.15	7	1,695.39	7	2,026.64	7	2,357.76	7	2,688.88	7	3,020.00
1 1/4	154.41	1 1/4	427.45	1 1/4	722.40	1 1/4	1,046.78	1 1/4	1,371.05	1 1/4	1,702.30	1 1/4	2,033.54	1 1/4	2,364.66	1 1/4	2,695.78	1 1/4	3,026.89
1 1/2	159.87	1 1/2	433.36	1 1/2	728.79	1 1/2	1,053.66	1 1/2	1,377.95	1 1/2	1,709.20	1 1/2	2,040.44	1 1/2	2,371.58	1 1/2	2,702.67	1 1/2	3,033.79
3/4	165.34	3/4	439.32	3/4	735.17	3/4	1,060.53	3/4	1,384.85	3/4	1,716.10	3/4	2,047.34	3/4	2,378.45	3/4	2,709.57	3/4	3,040.69
8	170.80	8	445.25	8	741.55	8	1,067.43	8	1,391.75	8	1,723.00	8	2,054.24	8	2,385.35	8	2,716.47	8	3,047.59
1 1/4	176.30	1 1/4	451.23	1 1/4	747.98	1 1/4	1,074.32	1 1/4	1,398.66	1 1/4	1,729.90	1 1/4	2,061.13	1 1/4	2,392.25	1 1/4	2,723.37	1 1/4	3,054.49
1 1/2	181.80	1 1/2	457.20	1 1/2	754.41	1 1/2	1,081.22	1 1/2	1,405.56	1 1/2	1,736.80	1 1/2	2,068.03	1 1/2	2,399.15	1 1/2	2,730.27	1 1/2	3,061.39
3/4	187.30	3/4	463.18	3/4	760.83	3/4	1,088.12	3/4	1,412.46	3/4	1,743.70	3/4	2,074.93	3/4	2,406.05	3/4	2,737.17	3/4	3,068.28
9	192.81	9	469.15	9	767.26	9	1,095.02	9	1,419.38	9	1,750.60	9	2,081.83	9	2,412.95	9	2,744.06	9	3,075.18
1 1/4	198.35	1 1/4	475.17	1 1/4	773.72	1 1/4	1,101.92	1 1/4	1,426.26	1 1/4	1,757.50	1 1/4	2,088.73	1 1/4	2,419.84	1 1/4	2,750.96	1 1/4	3,082.08
1 1/2	203.89	1 1/2	481.18	1 1/2	780.19	1 1/2	1,108.82	1 1/2	1,433.16	1 1/2	1,764.40	1 1/2	2,095.62	1 1/2	2,426.74	1 1/2	2,757.86	1 1/2	3,088.98
3/4	209.43	3/4	487.19	3/4	786.66	3/4	1,115.72	3/4	1,440.06	3/4	1,771.30	3/4	2,102.52	3/4	2,433.64	3/4	2,764.76	3/4	3,095.88
10	214.97	10	493.20	10	793.12	10	1,122.62	10	1,446.96	10	1,778.21	10	2,109.42	10	2,440.54	10	2,771.66	10	3,102.77
1 1/4	220.55	1 1/4	499.24	1 1/4	799.63	1 1/4	1,129.52	1 1/4	1,453.86	1 1/4	1,785.11	1 1/4	2,116.32	1 1/4	2,447.44	1 1/4	2,778.56	1 1/4	3,109.67
1 1/2	226.13	1 1/2	505.28	1 1/2	806.13	1 1/2	1,136.42	1 1/2	1,460.76	1 1/2	1,792.01	1 1/2	2,123.22	1 1/2	2,454.34	1 1/2	2,785.45	1 1/2	3,116.57
3/4	231.72	3/4	511.32	3/4	812.64	3/4	1,143.32	3/4	1,467.66	3/4	1,798.91	3/4	2,130.12	3/4	2,461.23	3/4	2,792.35	3/4	3,123.47
11	237.30	11	517.36	11	819.14	11	1,150.22	11	1,474.57	11	1,805.81	11	2,137.01	11	2,468.13	11	2,799.25	11	3,130.37
1 1/4	242.82	1 1/4	523.43	1 1/4	825.69	1 1/4	1,157.12	1 1/4	1,481.47	1 1/4	1,812.71	1 1/4	2,143.91	1 1/4	2,475.03	1 1/4	2,806.15	1 1/4	3,137.27
1 1/2	248.54	1 1/2	529.50	1 1/2	832.23	1 1/2	1,164.02	1 1/2	1,488.37	1 1/2	1,819.61	1 1/2	2,150.81	1 1/2	2,481.93	1 1/2	2,813.06	1 1/2	3,144.16
3/4	254.16	3/4	535.57	3/4	838.78	3/4	1,170.93	3/4	1,495.27	3/4	1,826.51	3/4	2,157.71	3/4	2,488.83	3/4	2,819.95	3/4	3,151.06

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 UP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pasadena, Texas 77508



BARGE "EMS 530"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,157.96	6	3,489.07	12	3,818.85	18	4,135.56	24	4,435.82	30	4,724.88	36	5,008.24	42	5,285.44	48	5,556.00	54	5,820.56
1/4	3,164.86	1/4	3,495.97	1/4	3,825.80	1/4	4,141.96	1/4	4,442.11	1/4	4,731.17	1/4	5,014.53	1/4	5,291.73	1/4	5,562.29	1/4	5,826.85
1/2	3,171.76	1/2	3,502.87	1/2	3,832.66	1/2	4,148.36	1/2	4,448.51	1/2	4,737.57	1/2	5,020.93	1/2	5,300.13	1/2	5,570.69	1/2	5,835.25
3/4	3,178.65	3/4	3,509.77	3/4	3,839.11	3/4	4,154.76	3/4	4,454.91	3/4	4,743.97	3/4	5,027.33	3/4	5,306.53	3/4	5,577.09	3/4	5,841.65
1	3,185.55	1	3,516.67	1	3,845.95	1	4,161.16	1	4,461.31	1	4,750.37	1	5,033.73	1	5,312.93	1	5,583.49	1	5,848.05
1 1/4	3,192.45	1 1/4	3,523.56	1 1/4	3,852.84	1 1/4	4,167.53	1 1/4	4,467.68	1 1/4	4,756.74	1 1/4	5,039.10	1 1/4	5,318.30	1 1/4	5,588.86	1 1/4	5,853.42
1 1/2	3,199.35	1 1/2	3,530.46	1 1/2	3,859.74	1 1/2	4,173.91	1 1/2	4,474.06	1 1/2	4,763.12	1 1/2	5,045.48	1 1/2	5,324.68	1 1/2	5,595.24	1 1/2	5,859.80
3/4	3,206.25	3/4	3,537.36	3/4	3,866.65	3/4	4,180.28	3/4	4,480.43	3/4	4,769.49	3/4	5,051.91	3/4	5,331.11	3/4	5,601.67	3/4	5,866.23
2	3,213.15	2	3,544.26	2	3,873.94	2	4,186.49	2	4,486.64	2	4,775.70	2	5,058.12	2	5,337.32	2	5,607.88	2	5,872.44
2 1/4	3,220.04	2 1/4	3,551.16	2 1/4	3,883.83	2 1/4	4,193.00	2 1/4	4,493.15	2 1/4	4,782.21	2 1/4	5,064.63	2 1/4	5,343.83	2 1/4	5,614.39	2 1/4	5,878.95
1/2	3,226.94	1/2	3,558.06	1/2	3,890.72	1/2	4,199.35	1/2	4,501.34	1/2	4,790.40	1/2	5,071.88	1/2	5,352.08	1/2	5,622.64	1/2	5,887.20
3/4	3,233.84	3/4	3,564.95	3/4	3,897.62	3/4	4,205.70	3/4	4,507.69	3/4	4,797.75	3/4	5,079.23	3/4	5,359.42	3/4	5,629.98	3/4	5,894.54
3	3,240.74	3	3,571.85	3	3,899.58	3	4,212.04	3	4,513.03	3	4,803.09	3	5,084.57	3	5,365.05	3	5,635.61	3	5,900.17
1/4	3,247.64	1/4	3,578.75	1/4	3,906.48	1/4	4,218.36	1/4	4,519.35	1/4	4,809.41	1/4	5,090.89	1/4	5,371.37	1/4	5,641.93	1/4	5,906.49
1/2	3,254.53	1/2	3,585.65	1/2	3,913.38	1/2	4,224.68	1/2	4,525.67	1/2	4,815.73	1/2	5,106.21	1/2	5,386.69	1/2	5,657.25	1/2	5,921.81
3/4	3,261.43	3/4	3,592.55	3/4	3,919.61	3/4	4,231.01	3/4	4,531.01	3/4	4,821.07	3/4	5,111.55	3/4	5,392.03	3/4	5,662.59	3/4	5,927.15
4	3,268.33	4	3,599.45	4	3,926.28	4	4,237.33	4	4,537.33	4	4,827.39	4	5,117.87	4	5,407.93	4	5,678.49	4	5,943.05
1/4	3,275.23	1/4	3,606.34	1/4	3,932.93	1/4	4,243.62	1/4	4,543.62	1/4	4,833.68	1/4	5,124.16	1/4	5,414.22	1/4	5,684.78	1/4	5,949.34
1/2	3,282.13	1/2	3,613.24	1/2	3,939.58	1/2	4,249.92	1/2	4,549.92	1/2	4,839.98	1/2	5,130.04	1/2	5,420.10	1/2	5,690.66	1/2	5,955.22
3/4	3,289.03	3/4	3,620.14	3/4	3,946.23	3/4	4,256.21	3/4	4,556.21	3/4	4,846.27	3/4	5,136.33	3/4	5,426.39	3/4	5,696.95	3/4	5,961.51
5	3,295.92	5	3,627.04	5	3,952.88	5	4,262.51	5	4,562.51	5	4,852.57	5	5,142.63	5	5,432.69	5	5,703.25	5	5,967.81
1/4	3,302.82	1/4	3,633.94	1/4	3,959.50	1/4	4,268.77	1/4	4,568.77	1/4	4,858.83	1/4	5,148.89	1/4	5,438.95	1/4	5,709.51	1/4	5,974.07
1/2	3,309.72	1/2	3,640.83	1/2	3,966.13	1/2	4,275.04	1/2	4,575.04	1/2	4,865.10	1/2	5,155.16	1/2	5,445.22	1/2	5,715.78	1/2	5,980.34
3/4	3,316.62	3/4	3,647.73	3/4	3,972.75	3/4	4,281.31	3/4	4,581.31	3/4	4,871.37	3/4	5,161.43	3/4	5,451.49	3/4	5,722.05	3/4	5,986.61
6	3,323.52	6	3,654.63	6	3,979.37	6	4,287.58	6	4,587.58	6	4,877.64	6	5,167.70	6	5,457.76	6	5,728.32	6	5,992.88
1/4	3,330.42	1/4	3,661.53	1/4	3,985.97	1/4	4,293.82	1/4	4,593.82	1/4	4,883.88	1/4	5,173.94	1/4	5,463.94	1/4	5,734.50	1/4	5,999.06
1/2	3,337.31	1/2	3,668.42	1/2	3,992.56	1/2	4,300.06	1/2	4,600.06	1/2	4,890.12	1/2	5,180.18	1/2	5,470.24	1/2	5,740.80	1/2	6,005.36
3/4	3,344.21	3/4	3,675.31	3/4	3,999.16	3/4	4,306.31	3/4	4,606.31	3/4	4,896.37	3/4	5,186.43	3/4	5,476.49	3/4	5,747.05	3/4	6,011.61
7	3,351.11	7	3,682.21	7	4,005.76	7	4,312.55	7	4,612.55	7	4,902.61	7	5,192.67	7	5,482.73	7	5,753.29	7	6,018.85
1/4	3,358.01	1/4	3,689.09	1/4	4,012.33	1/4	4,318.77	1/4	4,618.77	1/4	4,908.83	1/4	5,198.89	1/4	5,488.95	1/4	5,759.51	1/4	6,025.07
1/2	3,364.91	1/2	3,695.97	1/2	4,018.80	1/2	4,324.98	1/2	4,624.98	1/2	4,915.04	1/2	5,204.10	1/2	5,494.16	1/2	5,765.72	1/2	6,031.29
3/4	3,371.80	3/4	3,702.85	3/4	4,025.47	3/4	4,331.20	3/4	4,631.20	3/4	4,921.26	3/4	5,210.32	3/4	5,500.38	3/4	5,771.28	3/4	6,037.51
8	3,378.70	8	3,709.74	8	4,032.04	8	4,337.41	8	4,637.41	8	4,927.47	8	5,216.53	8	5,506.59	8	5,777.15	8	6,043.73
1/4	3,385.60	1/4	3,716.59	1/4	4,038.56	1/4	4,343.60	1/4	4,643.60	1/4	4,933.66	1/4	5,222.69	1/4	5,512.75	1/4	5,783.31	1/4	6,049.95
1/2	3,392.50	1/2	3,723.45	1/2	4,045.09	1/2	4,349.79	1/2	4,649.79	1/2	4,939.85	1/2	5,228.81	1/2	5,518.87	1/2	5,789.43	1/2	6,056.17
3/4	3,399.40	3/4	3,730.31	3/4	4,051.61	3/4	4,355.98	3/4	4,655.98	3/4	4,945.04	3/4	5,234.93	3/4	5,524.99	3/4	5,795.55	3/4	6,062.39
9	3,406.30	9	3,737.17	9	4,058.14	9	4,362.17	9	4,662.17	9	4,952.23	9	5,241.05	9	5,531.11	9	5,801.67	9	6,068.61
1/4	3,413.19	1/4	3,744.00	1/4	4,064.62	1/4	4,368.34	1/4	4,668.34	1/4	4,958.40	1/4	5,247.17	1/4	5,537.23	1/4	5,807.79	1/4	6,074.83
1/2	3,420.09	1/2	3,750.84	1/2	4,071.09	1/2	4,374.50	1/2	4,674.50	1/2	4,964.56	1/2	5,253.29	1/2	5,543.35	1/2	5,813.91	1/2	6,081.05
3/4	3,426.99	3/4	3,757.67	3/4	4,077.57	3/4	4,380.66	3/4	4,680.66	3/4	4,970.72	3/4	5,259.41	3/4	5,549.47	3/4	5,820.03	3/4	6,087.27
10	3,433.89	10	3,764.50	10	4,084.05	10	4,386.83	10	4,686.83	10	4,976.89	10	5,265.53	10	5,555.59	10	5,826.15	10	6,093.49
1/4	3,440.79	1/4	3,771.31	1/4	4,090.50	1/4	4,392.97	1/4	4,692.97	1/4	4,983.03	1/4	5,271.65	1/4	5,561.71	1/4	5,832.27	1/4	6,099.71
1/2	3,447.68	1/2	3,778.11	1/2	4,096.95	1/2	4,399.10	1/2	4,699.10	1/2	4,989.16	1/2	5,277.77	1/2	5,567.83	1/2	5,838.39	1/2	6,105.93
3/4	3,454.58	3/4	3,784.92	3/4	4,103.41	3/4	4,405.24	3/4	4,705.24	3/4	4,995.30	3/4	5,283.89	3/4	5,573.95	3/4	5,844.51	3/4	6,112.15
11	3,461.48	11	3,791.73	11	4,109.86	11	4,411.38	11	4,711.38	11	5,001.44	11	5,291.50	11	5,581.56	11	5,852.12	11	6,118.37
1/4	3,468.38	1/4	3,798.51	1/4	4,116.28	1/4	4,417.49	1/4	4,717.49	1/4	5,007.55	1/4	5,297.61	1/4	5,587.67	1/4	5,858.23	1/4	6,124.59
1/2	3,475.28	1/2	3,805.29	1/2	4,122.71	1/2	4,423.60	1/2	4,723.60	1/2	5,013.66	1/2	5,303.72	1/2	5,593.78	1/2	5,864.34	1/2	6,130.81
3/4	3,482.18	3/4	3,812.07	3/4	4,129.14	3/4	4,429.71	3/4	4,729.71	3/4	5,019.77	3/4	5,309.83	3/4	5,599.89	3/4	5,870.45	3/4	6,137.03

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SM

CANCEL 8 AND SUPERCEDES
ALL PRIOR TO 08/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77580



BARGE "EMS 530"

2 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	13.85	0	388.83	0	777.09	0	1,164.94	0	1,553.41	0	1,941.87	0	2,330.33	0	2,718.76	0	3,107.07	0	3,495.39
1/4	19.25	1/4	389.92	1/4	785.16	1/4	1,173.03	1/4	1,561.50	1/4	1,949.96	1/4	2,338.43	1/4	2,726.84	1/4	3,115.16	1/4	3,503.48
1/2	24.65	1/2	405.01	1/2	793.22	1/2	1,181.13	1/2	1,569.59	1/2	1,958.06	1/2	2,346.52	1/2	2,734.93	1/2	3,123.25	1/2	3,511.56
3/4	30.04	3/4	413.11	3/4	801.29	3/4	1,189.22	3/4	1,577.68	3/4	1,966.15	3/4	2,354.61	3/4	2,743.02	3/4	3,131.34	3/4	3,519.65
1	35.44	1	421.20	1	809.36	1	1,197.31	1	1,585.78	1	1,974.24	1	2,362.71	1	2,751.11	1	3,139.43	1	3,527.74
1 1/4	40.85	1 1/4	429.29	1 1/4	817.43	1 1/4	1,205.43	1 1/4	1,593.87	1 1/4	1,982.33	1 1/4	2,370.80	1 1/4	2,759.20	1 1/4	3,147.52	1 1/4	3,535.83
1 1/2	46.25	1 1/2	437.38	1 1/2	825.50	1 1/2	1,213.50	1 1/2	1,601.96	1 1/2	1,990.43	1 1/2	2,378.89	1 1/2	2,767.29	1 1/2	3,155.61	1 1/2	3,543.92
1 3/4	51.65	1 3/4	445.46	1 3/4	833.57	1 3/4	1,221.59	1 3/4	1,610.06	1 3/4	1,998.52	1 3/4	2,386.98	1 3/4	2,775.38	1 3/4	3,165.10	1 3/4	3,553.41
2	57.05	2	453.55	2	841.64	2	1,229.69	2	1,618.15	2	2,006.61	2	2,395.08	2	2,783.47	2	3,173.79	2	3,561.10
2 1/4	62.45	2 1/4	461.64	2 1/4	849.71	2 1/4	1,237.78	2 1/4	1,626.24	2 1/4	2,014.71	2 1/4	2,403.17	2 1/4	2,791.56	2 1/4	3,181.88	2 1/4	3,569.19
2 1/2	67.85	2 1/2	469.73	2 1/2	857.78	2 1/2	1,245.87	2 1/2	1,634.34	2 1/2	2,022.80	2 1/2	2,411.26	2 1/2	2,799.65	2 1/2	3,189.97	2 1/2	3,576.28
2 3/4	73.25	2 3/4	477.82	2 3/4	865.85	2 3/4	1,253.95	2 3/4	1,642.43	2 3/4	2,030.89	2 3/4	2,419.36	2 3/4	2,807.74	2 3/4	3,198.06	2 3/4	3,584.37
3	78.65	3	485.91	3	873.93	3	1,262.06	3	1,650.52	3	2,038.99	3	2,427.45	3	2,815.83	3	3,204.15	3	3,592.46
3 1/4	84.05	3 1/4	494.00	3 1/4	882.00	3 1/4	1,270.15	3 1/4	1,658.61	3 1/4	2,047.08	3 1/4	2,435.54	3 1/4	2,823.92	3 1/4	3,212.24	3 1/4	3,600.55
3 1/2	89.45	3 1/2	502.09	3 1/2	890.07	3 1/2	1,278.24	3 1/2	1,666.71	3 1/2	2,055.17	3 1/2	2,443.64	3 1/2	2,832.01	3 1/2	3,220.33	3 1/2	3,608.64
3 3/4	94.85	3 3/4	510.18	3 3/4	898.14	3 3/4	1,286.34	3 3/4	1,674.80	3 3/4	2,063.26	3 3/4	2,451.73	3 3/4	2,840.10	3 3/4	3,228.42	3 3/4	3,616.73
4	100.25	4	518.27	4	906.21	4	1,294.43	4	1,682.89	4	2,071.38	4	2,459.82	4	2,848.19	4	3,236.51	4	3,624.82
4 1/4	105.65	4 1/4	526.37	4 1/4	914.28	4 1/4	1,302.52	4 1/4	1,690.99	4 1/4	2,079.45	4 1/4	2,467.91	4 1/4	2,856.28	4 1/4	3,244.60	4 1/4	3,632.91
4 1/2	111.05	4 1/2	534.46	4 1/2	922.35	4 1/2	1,310.62	4 1/2	1,699.08	4 1/2	2,087.54	4 1/2	2,476.01	4 1/2	2,864.37	4 1/2	3,252.69	4 1/2	3,641.01
4 3/4	116.45	4 3/4	542.55	4 3/4	930.42	4 3/4	1,318.71	4 3/4	1,707.17	4 3/4	2,095.64	4 3/4	2,484.10	4 3/4	2,872.46	4 3/4	3,260.78	4 3/4	3,649.10
5	121.85	5	550.64	5	938.49	5	1,326.80	5	1,715.27	5	2,103.73	5	2,492.19	5	2,880.55	5	3,268.87	5	3,657.19
5 1/4	127.25	5 1/4	558.74	5 1/4	946.57	5 1/4	1,334.89	5 1/4	1,723.36	5 1/4	2,111.82	5 1/4	2,500.29	5 1/4	2,888.64	5 1/4	3,276.96	5 1/4	3,665.28
5 1/2	132.65	5 1/2	566.83	5 1/2	954.64	5 1/2	1,342.98	5 1/2	1,731.45	5 1/2	2,119.92	5 1/2	2,508.38	5 1/2	2,896.73	5 1/2	3,285.05	5 1/2	3,673.37
5 3/4	138.05	5 3/4	574.92	5 3/4	962.71	5 3/4	1,351.08	5 3/4	1,739.54	5 3/4	2,128.01	5 3/4	2,516.47	5 3/4	2,904.82	5 3/4	3,293.14	5 3/4	3,681.46
6	143.45	6	583.02	6	970.78	6	1,359.17	6	1,747.64	6	2,136.10	6	2,524.57	6	2,912.91	6	3,301.23	6	3,689.55
6 1/4	148.85	6 1/4	591.11	6 1/4	978.85	6 1/4	1,367.27	6 1/4	1,755.73	6 1/4	2,144.19	6 1/4	2,532.66	6 1/4	2,921.00	6 1/4	3,309.32	6 1/4	3,697.64
6 1/2	154.25	6 1/2	599.20	6 1/2	986.94	6 1/2	1,375.36	6 1/2	1,763.82	6 1/2	2,152.29	6 1/2	2,540.75	6 1/2	2,929.09	6 1/2	3,317.41	6 1/2	3,705.73
6 3/4	159.65	6 3/4	607.30	6 3/4	995.02	6 3/4	1,383.45	6 3/4	1,771.92	6 3/4	2,160.38	6 3/4	2,548.84	6 3/4	2,937.18	6 3/4	3,325.50	6 3/4	3,713.82
7	165.05	7	615.39	7	1,003.09	7	1,391.55	7	1,780.01	7	2,168.47	7	2,556.94	7	2,945.27	7	3,333.59	7	3,721.91
7 1/4	170.45	7 1/4	623.48	7 1/4	1,011.18	7 1/4	1,399.64	7 1/4	1,788.10	7 1/4	2,176.57	7 1/4	2,565.03	7 1/4	2,953.36	7 1/4	3,341.68	7 1/4	3,730.00
7 1/2	175.85	7 1/2	631.57	7 1/2	1,019.27	7 1/2	1,407.73	7 1/2	1,796.20	7 1/2	2,184.66	7 1/2	2,573.13	7 1/2	2,961.45	7 1/2	3,349.77	7 1/2	3,738.09
7 3/4	181.25	7 3/4	639.67	7 3/4	1,027.36	7 3/4	1,415.82	7 3/4	1,804.29	7 3/4	2,192.75	7 3/4	2,581.22	7 3/4	2,969.54	7 3/4	3,357.86	7 3/4	3,746.18
8	186.65	8	647.76	8	1,035.45	8	1,423.92	8	1,812.38	8	2,200.85	8	2,589.32	8	2,977.63	8	3,365.95	8	3,754.27
8 1/4	192.05	8 1/4	655.85	8 1/4	1,043.55	8 1/4	1,432.01	8 1/4	1,820.47	8 1/4	2,208.94	8 1/4	2,597.41	8 1/4	2,985.72	8 1/4	3,374.04	8 1/4	3,762.36
8 1/2	197.45	8 1/2	663.95	8 1/2	1,051.64	8 1/2	1,440.10	8 1/2	1,828.56	8 1/2	2,217.03	8 1/2	2,605.50	8 1/2	2,993.81	8 1/2	3,382.13	8 1/2	3,770.45
8 3/4	202.85	8 3/4	672.04	8 3/4	1,059.73	8 3/4	1,448.20	8 3/4	1,836.66	8 3/4	2,225.12	8 3/4	2,613.59	8 3/4	3,001.90	8 3/4	3,390.22	8 3/4	3,778.54
9	208.25	9	680.13	9	1,067.83	9	1,456.29	9	1,844.75	9	2,233.22	9	2,621.68	9	3,009.99	9	3,398.31	9	3,786.63
9 1/4	213.65	9 1/4	688.22	9 1/4	1,075.92	9 1/4	1,464.38	9 1/4	1,852.85	9 1/4	2,241.31	9 1/4	2,629.77	9 1/4	3,018.08	9 1/4	3,406.40	9 1/4	3,794.72
9 1/2	219.05	9 1/2	696.31	9 1/2	1,084.01	9 1/2	1,472.48	9 1/2	1,860.94	9 1/2	2,249.40	9 1/2	2,637.86	9 1/2	3,026.17	9 1/2	3,414.49	9 1/2	3,802.81
9 3/4	224.45	9 3/4	704.40	9 3/4	1,092.10	9 3/4	1,480.57	9 3/4	1,869.03	9 3/4	2,257.50	9 3/4	2,645.95	9 3/4	3,034.26	9 3/4	3,422.58	9 3/4	3,810.90
10	229.85	10	712.49	10	1,100.20	10	1,488.66	10	1,877.13	10	2,265.59	10	2,654.04	10	3,042.35	10	3,430.67	10	3,818.98
10 1/4	235.25	10 1/4	720.57	10 1/4	1,108.29	10 1/4	1,496.75	10 1/4	1,885.22	10 1/4	2,273.68	10 1/4	2,662.13	10 1/4	3,050.44	10 1/4	3,438.76	10 1/4	3,827.07
10 1/2	240.65	10 1/2	728.65	10 1/2	1,116.38	10 1/2	1,504.85	10 1/2	1,893.31	10 1/2	2,281.78	10 1/2	2,670.22	10 1/2	3,058.53	10 1/2	3,446.85	10 1/2	3,835.16
10 3/4	246.05	10 3/4	736.73	10 3/4	1,124.47	10 3/4	1,512.94	10 3/4	1,901.40	10 3/4	2,289.87	10 3/4	2,678.31	10 3/4	3,066.62	10 3/4	3,454.94	10 3/4	3,843.25
11	251.45	11	744.81	11	1,132.57	11	1,521.03	11	1,909.50	11	2,297.96	11	2,686.40	11	3,074.71	11	3,463.03	11	3,851.34
11 1/4	256.85	11 1/4	752.89	11 1/4	1,140.66	11 1/4	1,529.13	11 1/4	1,917.59	11 1/4	2,306.05	11 1/4	2,694.49	11 1/4	3,082.80	11 1/4	3,471.12	11 1/4	3,859.43
11 1/2	262.25	11 1/2	760.95	11 1/2	1,148.76	11 1/2	1,537.22	11 1/2	1,925.68	11 1/2	2,314.15	11 1/2	2,702.58	11 1/2	3,090.89	11 1/2	3,479.21	11 1/2	3,867.52
11 3/4	267.65	11 3/4	769.02	11 3/4	1,156.85	11 3/4	1,545.31	11 3/4	1,933.78	11 3/4	2,322.24	11 3/4	2,710.66	11 3/4	3,098.98	11 3/4	3,487.30	11 3/4	3,875.61

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NFPA 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 LP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT (HERMETIC) LOCATED 10'-00" OFF CENTERLINE AND 80'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2002

Pasadena, Texas 77508



2 PORT
BARGE "EMS 530"

2 PORT
INNAE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D
0	3,883.70	0	4,272.01	0	4,656.76	0	5,039.18	0	5,422.30	0	5,804.82	0	6,186.94	0	6,569.66	0	6,952.98	0	7,336.80
1/4	3,891.78	1/4	4,280.10	1/4	4,664.88	1/4	5,047.30	1/4	5,431.42	1/4	5,814.94	1/4	6,198.06	1/4	6,581.18	1/4	6,964.30	1/4	7,347.42
1/2	3,899.88	1/2	4,288.18	1/2	4,672.96	1/2	5,055.38	1/2	5,445.50	1/2	5,829.02	1/2	6,212.14	1/2	6,595.26	1/2	6,978.38	1/2	7,361.50
3/4	3,907.97	3/4	4,296.27	3/4	4,681.05	3/4	5,069.47	3/4	5,459.60	3/4	5,843.12	3/4	6,226.24	3/4	6,609.36	3/4	6,992.50	3/4	7,374.62
1	3,916.08	1	4,304.37	1	4,689.14	1	5,083.58	1	5,473.70	1	5,857.22	1	6,240.34	1	6,623.46	1	7,006.60	1	7,387.74
1 1/4	3,924.15	1 1/4	4,312.46	1 1/4	4,698.22	1 1/4	5,097.66	1 1/4	5,487.78	1 1/4	5,871.30	1 1/4	6,254.42	1 1/4	6,637.54	1 1/4	7,020.70	1 1/4	7,400.82
1 1/2	3,932.24	1 1/2	4,320.55	1 1/2	4,706.32	1 1/2	5,111.74	1 1/2	5,499.82	1 1/2	5,883.34	1 1/2	6,268.50	1 1/2	6,651.62	1 1/2	7,034.78	1 1/2	7,414.90
3/2	3,940.33	3/2	4,328.64	3/2	4,714.41	3/2	5,125.82	3/2	5,513.90	3/2	5,907.42	3/2	6,282.58	3/2	6,665.70	3/2	7,048.98	3/2	7,429.02
2	3,948.42	2	4,336.73	2	4,722.50	2	5,139.90	2	5,529.98	2	5,923.50	2	6,296.66	2	6,679.78	2	7,063.06	2	7,443.10
2 1/4	3,956.51	2 1/4	4,344.82	2 1/4	4,729.58	2 1/4	5,153.98	2 1/4	5,544.06	2 1/4	5,937.58	2 1/4	6,310.74	2 1/4	6,693.86	2 1/4	7,077.14	2 1/4	7,457.18
2 1/2	3,964.60	2 1/2	4,352.91	2 1/2	4,737.66	2 1/2	5,167.98	2 1/2	5,558.14	2 1/2	5,951.66	2 1/2	6,324.82	2 1/2	6,707.94	2 1/2	7,091.22	2 1/2	7,471.26
3/2	3,972.69	3/2	4,361.00	3/2	4,745.74	3/2	5,181.98	3/2	5,572.22	3/2	5,965.74	3/2	6,338.90	3/2	6,722.02	3/2	7,105.30	3/2	7,485.34
3	3,980.78	3	4,369.09	3	4,753.82	3	5,195.98	3	5,586.26	3	5,979.78	3	6,352.98	3	6,736.10	3	7,119.38	3	7,499.42
3 1/4	3,988.87	3 1/4	4,377.18	3 1/4	4,761.87	3 1/4	5,209.98	3 1/4	5,599.34	3 1/4	5,993.86	3 1/4	6,367.02	3 1/4	6,750.14	3 1/4	7,133.46	3 1/4	7,513.50
3 1/2	3,996.96	3 1/2	4,385.27	3 1/2	4,769.90	3 1/2	5,223.98	3 1/2	5,613.42	3 1/2	6,007.94	3 1/2	6,381.02	3 1/2	6,764.14	3 1/2	7,147.50	3 1/2	7,527.58
3/2	4,005.05	3/2	4,393.36	3/2	4,778.92	3/2	5,237.98	3/2	5,627.46	3/2	6,021.98	3/2	6,395.06	3/2	6,778.18	3/2	7,161.58	3/2	7,541.62
4	4,013.14	4	4,401.45	4	4,784.75	4	5,251.98	4	5,641.50	4	6,035.98	4	6,409.06	4	6,792.18	4	7,175.62	4	7,555.66
4 1/4	4,021.23	4 1/4	4,409.54	4 1/4	4,792.85	4 1/4	5,265.98	4 1/4	5,655.54	4 1/4	6,049.98	4 1/4	6,423.06	4 1/4	6,806.18	4 1/4	7,190.14	4 1/4	7,569.70
4 1/2	4,029.32	4 1/2	4,417.63	4 1/2	4,800.95	4 1/2	5,279.98	4 1/2	5,669.58	4 1/2	6,063.98	4 1/2	6,437.06	4 1/2	6,820.18	4 1/2	7,204.18	4 1/2	7,583.72
5	4,037.41	5	4,425.72	5	4,808.15	5	5,293.98	5	5,683.62	5	6,077.98	5	6,451.10	5	6,834.22	5	7,218.22	5	7,601.74
5 1/4	4,045.50	5 1/4	4,433.81	5 1/4	4,816.94	5 1/4	5,307.98	5 1/4	5,697.66	5 1/4	6,091.98	5 1/4	6,465.06	5 1/4	6,848.18	5 1/4	7,232.22	5 1/4	7,615.74
5 1/2	4,053.59	5 1/2	4,441.90	5 1/2	4,823.71	5 1/2	5,321.98	5 1/2	5,711.70	5 1/2	6,105.98	5 1/2	6,479.06	5 1/2	6,862.18	5 1/2	7,246.22	5 1/2	7,629.74
3/2	4,061.68	3/2	4,449.99	3/2	4,831.48	3/2	5,335.98	3/2	5,725.74	3/2	6,119.98	3/2	6,493.06	3/2	6,876.18	3/2	7,260.22	3/2	7,643.74
3/2	4,069.77	3/2	4,458.08	3/2	4,839.25	3/2	5,349.98	3/2	5,739.74	3/2	6,129.98	3/2	6,507.06	3/2	6,890.18	3/2	7,274.22	3/2	7,657.74
8	4,077.86	8	4,466.17	8	4,847.01	8	5,363.98	8	5,753.74	8	6,143.98	8	6,521.10	8	6,904.22	8	7,288.22	8	7,671.74
8 1/4	4,085.95	8 1/4	4,474.26	8 1/4	4,854.75	8 1/4	5,377.98	8 1/4	5,767.74	8 1/4	6,157.98	8 1/4	6,535.06	8 1/4	6,918.18	8 1/4	7,302.22	8 1/4	7,685.74
8 1/2	4,094.04	8 1/2	4,482.34	8 1/2	4,862.49	8 1/2	5,391.98	8 1/2	5,781.74	8 1/2	6,171.98	8 1/2	6,549.06	8 1/2	6,932.18	8 1/2	7,316.22	8 1/2	7,699.74
3/4	4,102.13	3/4	4,490.43	3/4	4,870.22	3/4	5,405.98	3/4	5,795.74	3/4	6,185.98	3/4	6,563.06	3/4	6,946.18	3/4	7,330.22	3/4	7,713.74
7	4,110.22	7	4,498.51	7	4,877.90	7	5,419.98	7	5,809.74	7	6,199.98	7	6,577.06	7	6,958.18	7	7,344.22	7	7,727.74
7 1/4	4,118.31	7 1/4	4,506.59	7 1/4	4,885.96	7 1/4	5,433.98	7 1/4	5,823.74	7 1/4	6,213.98	7 1/4	6,591.06	7 1/4	6,972.18	7 1/4	7,358.22	7 1/4	7,741.74
7 1/2	4,126.40	7 1/2	4,514.66	7 1/2	4,893.37	7 1/2	5,447.98	7 1/2	5,837.74	7 1/2	6,227.98	7 1/2	6,605.06	7 1/2	6,986.18	7 1/2	7,372.22	7 1/2	7,755.74
3/4	4,134.49	3/4	4,522.73	3/4	4,901.08	3/4	5,461.98	3/4	5,851.74	3/4	6,241.98	3/4	6,619.06	3/4	7,000.18	3/4	7,386.22	3/4	7,769.74
8	4,142.58	8	4,530.80	8	4,908.78	8	5,475.98	8	5,865.74	8	6,255.98	8	6,633.06	8	7,014.18	8	7,400.22	8	7,783.74
8 1/4	4,150.67	8 1/4	4,538.84	8 1/4	4,916.43	8 1/4	5,489.98	8 1/4	5,879.74	8 1/4	6,269.98	8 1/4	6,647.06	8 1/4	7,028.18	8 1/4	7,414.22	8 1/4	7,797.74
8 1/2	4,158.76	8 1/2	4,546.88	8 1/2	4,924.08	8 1/2	5,503.98	8 1/2	5,893.74	8 1/2	6,283.98	8 1/2	6,661.06	8 1/2	7,042.18	8 1/2	7,428.22	8 1/2	7,811.74
3/2	4,166.85	3/2	4,554.93	3/2	4,931.73	3/2	5,517.98	3/2	5,907.74	3/2	6,297.98	3/2	6,675.06	3/2	7,056.18	3/2	7,442.22	3/2	7,825.74
9	4,174.94	9	4,562.97	9	4,939.39	9	5,531.98	9	5,921.74	9	6,311.98	9	6,689.06	9	7,070.18	9	7,456.22	9	7,839.74
9 1/4	4,183.03	9 1/4	4,570.98	9 1/4	4,948.98	9 1/4	5,545.98	9 1/4	5,935.74	9 1/4	6,325.98	9 1/4	6,703.06	9 1/4	7,084.18	9 1/4	7,470.22	9 1/4	7,853.74
9 1/2	4,191.12	9 1/2	4,579.00	9 1/2	4,954.58	9 1/2	5,559.98	9 1/2	5,949.74	9 1/2	6,339.98	9 1/2	6,717.06	9 1/2	7,098.18	9 1/2	7,484.22	9 1/2	7,867.74
3/2	4,199.21	3/2	4,587.01	3/2	4,962.18	3/2	5,573.98	3/2	5,963.74	3/2	6,353.98	3/2	6,731.06	3/2	7,112.18	3/2	7,498.22	3/2	7,881.74
10	4,207.30	10	4,595.02	10	4,969.77	10	5,587.98	10	5,977.74	10	6,367.98	10	6,745.06	10	7,126.18	10	7,512.22	10	7,905.74
10 1/4	4,215.39	10 1/4	4,603.01	10 1/4	4,977.34	10 1/4	5,599.98	10 1/4	5,991.74	10 1/4	6,381.98	10 1/4	6,759.06	10 1/4	7,140.18	10 1/4	7,526.22	10 1/4	7,919.74
10 1/2	4,223.47	10 1/2	4,610.99	10 1/2	4,984.91	10 1/2	5,613.98	10 1/2	6,005.74	10 1/2	6,395.98	10 1/2	6,773.06	10 1/2	7,154.18	10 1/2	7,540.22	10 1/2	7,933.74
3/2	4,231.56	3/2	4,618.97	3/2	4,992.47	3/2	5,627.98	3/2	6,019.74	3/2	6,409.98	3/2	6,787.06	3/2	7,168.18	3/2	7,554.22	3/2	7,947.74
11	4,239.65	11	4,626.95	11	5,000.04	11	5,641.98	11	6,031.74	11	6,423.98	11	6,805.06	11	7,182.18	11	7,568.22	11	7,961.74
11 1/4	4,247.74	11 1/4	4,634.90	11 1/4	5,007.57	11 1/4	5,655.98	11 1/4	6,045.74	11 1/4	6,437.98	11 1/4	6,819.06	11 1/4	7,196.18	11 1/4	7,582.22	11 1/4	7,975.74
11 1/2	4,255.83	11 1/2	4,642.86	11 1/2	5,015.11	11 1/2	5,669.98	11 1/2	6,059.74	11 1/2	6,451.98	11 1/2	6,833.06	11 1/2	7,210.18	11 1/2	7,596.22	11 1/2	7,989.74
3/2	4,263.92	3/2	4,650.81	3/2	5,022.65	3/2	5,683.98	3/2	6,073.74	3/2	6,465.98	3/2	6,847.06	3/2	7,224.18	3/2	7,610.22	3/2	8,003.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588



BARGE "EMS 530"

2 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	13.87	0	389.31	0	773.75	0	1,147.36	0	1,529.55	0	1,918.50	0	2,307.44	0	2,696.33	0	3,085.12	0	3,473.91
1/4	19.27	1/4	397.41	1/4	781.52	1/4	1,156.15	1/4	1,537.66	1/4	1,926.60	1/4	2,315.54	1/4	2,704.43	1/4	3,093.22	1/4	3,482.01
1/2	24.67	1/2	405.51	1/2	789.29	1/2	1,162.85	1/2	1,544.76	1/2	1,934.70	1/2	2,323.65	1/2	2,712.53	1/2	3,101.32	1/2	3,490.11
3/4	30.08	3/4	413.61	3/4	797.06	3/4	1,170.75	3/4	1,553.86	3/4	1,942.81	3/4	2,331.75	3/4	2,720.63	3/4	3,109.42	3/4	3,498.21
1	35.48	1	421.71	1	804.83	1	1,178.54	1	1,561.98	1	1,950.91	1	2,339.85	1	2,728.73	1	3,117.52	1	3,506.31
1 1/4	40.91	1 1/4	429.81	1 1/4	812.61	1 1/4	1,186.34	1 1/4	1,570.97	1 1/4	1,959.91	1 1/4	2,347.96	1 1/4	2,736.83	1 1/4	3,125.62	1 1/4	3,514.41
1 1/2	50.33	1 1/2	437.91	1 1/2	820.38	1 1/2	1,194.13	1 1/2	1,578.17	1 1/2	1,967.11	1 1/2	2,356.06	1 1/2	2,744.93	1 1/2	3,133.72	1 1/2	3,522.51
3/4	57.76	3/4	446.01	3/4	828.15	3/4	1,201.93	3/4	1,586.27	3/4	1,976.22	3/4	2,364.16	3/4	2,753.03	3/4	3,141.82	3/4	3,530.61
2	65.19	2	454.11	2	835.92	2	1,209.73	2	1,594.38	2	1,983.32	2	2,372.26	2	2,761.13	2	3,149.92	2	3,538.71
1 1/4	73.29	1 1/4	462.21	1 1/4	843.70	1 1/4	1,217.52	1 1/4	1,602.48	1 1/4	1,991.42	1 1/4	2,380.37	1 1/4	2,769.23	1 1/4	3,158.02	1 1/4	3,546.81
1 1/2	81.40	1 1/2	470.30	1 1/2	851.47	1 1/2	1,225.32	1 1/2	1,610.38	1 1/2	1,999.53	1 1/2	2,389.47	1 1/2	2,778.32	1 1/2	3,166.12	1 1/2	3,554.91
3/4	89.50	3/4	478.40	3/4	859.25	3/4	1,233.12	3/4	1,618.69	3/4	2,007.63	3/4	2,398.47	3/4	2,789.42	3/4	3,174.22	3/4	3,563.01
3	97.60	3	486.50	3	867.02	3	1,240.91	3	1,626.79	3	2,015.73	3	2,404.68	3	2,793.52	3	3,182.31	3	3,571.11
1 1/4	105.70	1 1/4	494.60	1 1/4	874.80	1 1/4	1,248.71	1 1/4	1,634.89	1 1/4	2,023.84	1 1/4	2,412.78	1 1/4	2,801.62	1 1/4	3,190.41	1 1/4	3,579.21
1 1/2	113.81	1 1/2	502.70	1 1/2	882.57	1 1/2	1,256.50	1 1/2	1,642.99	1 1/2	2,031.94	1 1/2	2,420.88	1 1/2	2,809.72	1 1/2	3,198.51	1 1/2	3,587.30
3/4	121.91	3/4	510.81	3/4	890.35	3/4	1,264.30	3/4	1,651.10	3/4	2,040.04	3/4	2,428.99	3/4	2,817.82	3/4	3,206.81	3/4	3,595.40
4	130.01	4	518.91	4	898.12	4	1,272.10	4	1,659.20	4	2,048.14	4	2,437.09	4	2,825.92	4	3,214.71	4	3,603.50
1 1/4	138.12	1 1/4	527.01	1 1/4	905.89	1 1/4	1,279.89	1 1/4	1,667.30	1 1/4	2,056.25	1 1/4	2,445.19	1 1/4	2,834.02	1 1/4	3,222.81	1 1/4	3,611.61
1 1/2	146.22	1 1/2	535.11	1 1/2	913.67	1 1/2	1,287.69	1 1/2	1,675.41	1 1/2	2,064.35	1 1/2	2,453.29	1 1/2	2,842.12	1 1/2	3,230.91	1 1/2	3,619.71
3/4	154.32	3/4	543.22	3/4	921.44	3/4	1,295.49	3/4	1,683.51	3/4	2,072.45	3/4	2,461.40	3/4	2,850.22	3/4	3,239.01	3/4	3,627.81
5	162.43	5	551.32	5	929.22	5	1,303.28	5	1,691.61	5	2,080.58	5	2,469.60	5	2,858.32	5	3,247.11	5	3,635.91
1 1/4	170.53	1 1/4	559.42	1 1/4	936.99	1 1/4	1,311.23	1 1/4	1,699.72	1 1/4	2,088.66	1 1/4	2,477.60	1 1/4	2,866.42	1 1/4	3,255.21	1 1/4	3,644.11
1 1/2	178.63	1 1/2	567.53	1 1/2	944.77	1 1/2	1,319.18	1 1/2	1,707.82	1 1/2	2,096.76	1 1/2	2,485.71	1 1/2	2,874.52	1 1/2	3,263.31	1 1/2	3,652.11
3/4	186.73	3/4	575.63	3/4	952.54	3/4	1,327.13	3/4	1,715.92	3/4	2,104.87	3/4	2,493.81	3/4	2,882.62	3/4	3,271.41	3/4	3,660.21
6	194.84	6	583.73	6	960.32	6	1,335.08	6	1,724.02	6	2,112.97	6	2,501.91	6	2,890.72	6	3,279.51	6	3,668.31
1 1/4	202.94	1 1/4	591.83	1 1/4	968.10	1 1/4	1,343.18	1 1/4	1,732.13	1 1/4	2,121.07	1 1/4	2,510.02	1 1/4	2,900.82	1 1/4	3,287.61	1 1/4	3,676.41
1 1/2	211.04	1 1/2	599.94	1 1/2	975.88	1 1/2	1,351.29	1 1/2	1,740.23	1 1/2	2,129.17	1 1/2	2,518.12	1 1/2	2,909.92	1 1/2	3,295.71	1 1/2	3,684.51
3/4	219.15	3/4	608.04	3/4	983.66	3/4	1,359.39	3/4	1,748.33	3/4	2,137.28	3/4	2,526.22	3/4	2,918.02	3/4	3,303.81	3/4	3,692.61
7	227.25	7	616.14	7	991.44	7	1,367.49	7	1,756.44	7	2,145.38	7	2,534.32	7	2,926.12	7	3,311.91	7	3,700.71
1 1/4	235.35	1 1/4	624.25	1 1/4	999.24	1 1/4	1,375.60	1 1/4	1,764.54	1 1/4	2,153.48	1 1/4	2,542.43	1 1/4	2,934.22	1 1/4	3,320.01	1 1/4	3,708.81
1 1/2	243.46	1 1/2	632.35	1 1/2	1,007.43	1 1/2	1,383.70	1 1/2	1,772.64	1 1/2	2,161.59	1 1/2	2,550.53	1 1/2	2,942.32	1 1/2	3,328.11	1 1/2	3,716.91
3/4	251.56	3/4	640.45	3/4	1,014.82	3/4	1,391.80	3/4	1,780.75	3/4	2,169.69	3/4	2,558.63	3/4	2,950.42	3/4	3,336.21	3/4	3,725.01
8	259.66	8	648.55	8	1,022.62	8	1,399.90	8	1,788.85	8	2,177.79	8	2,566.73	8	2,958.52	8	3,344.31	8	3,733.11
1 1/4	267.76	1 1/4	656.50	1 1/4	1,030.41	1 1/4	1,408.01	1 1/4	1,796.95	1 1/4	2,185.90	1 1/4	2,574.83	1 1/4	2,966.62	1 1/4	3,352.41	1 1/4	3,741.21
1 1/2	275.87	1 1/2	664.45	1 1/2	1,038.21	1 1/2	1,416.11	1 1/2	1,805.05	1 1/2	2,194.00	1 1/2	2,582.93	1 1/2	2,974.72	1 1/2	3,360.51	1 1/2	3,749.31
3/4	283.97	3/4	672.40	3/4	1,046.00	3/4	1,424.21	3/4	1,813.16	3/4	2,202.10	3/4	2,591.03	3/4	2,982.82	3/4	3,368.61	3/4	3,757.41
9	292.07	9	680.35	9	1,053.80	9	1,432.32	9	1,821.26	9	2,210.20	9	2,599.13	9	2,990.92	9	3,376.71	9	3,765.51
1 1/4	300.18	1 1/4	688.15	1 1/4	1,061.60	1 1/4	1,440.42	1 1/4	1,829.36	1 1/4	2,218.31	1 1/4	2,607.23	1 1/4	2,999.02	1 1/4	3,384.81	1 1/4	3,773.61
1 1/2	308.28	1 1/2	695.94	1 1/2	1,069.39	1 1/2	1,448.52	1 1/2	1,837.47	1 1/2	2,226.41	1 1/2	2,615.33	1 1/2	3,006.12	1 1/2	3,392.91	1 1/2	3,781.71
3/4	316.38	3/4	703.73	3/4	1,077.19	3/4	1,456.63	3/4	1,845.57	3/4	2,234.51	3/4	2,623.43	3/4	3,014.22	3/4	3,401.01	3/4	3,789.81
10	324.49	10	711.53	10	1,084.98	10	1,464.73	10	1,853.78	10	2,242.62	10	2,631.53	10	3,022.32	10	3,409.11	10	3,797.91
1 1/4	332.59	1 1/4	719.31	1 1/4	1,092.76	1 1/4	1,472.83	1 1/4	1,861.78	1 1/4	2,250.72	1 1/4	2,639.63	1 1/4	3,030.42	1 1/4	3,417.21	1 1/4	3,806.01
1 1/2	340.69	1 1/2	727.08	1 1/2	1,100.55	1 1/2	1,480.93	1 1/2	1,869.88	1 1/2	2,258.82	1 1/2	2,647.73	1 1/2	3,038.52	1 1/2	3,425.31	1 1/2	3,814.11
3/4	348.79	3/4	734.87	3/4	1,108.36	3/4	1,489.04	3/4	1,878.96	3/4	2,266.93	3/4	2,655.83	3/4	3,046.62	3/4	3,433.41	3/4	3,822.21
11	356.90	11	742.65	11	1,116.17	11	1,497.14	11	1,886.08	11	2,275.03	11	2,663.93	11	3,054.72	11	3,441.51	11	3,830.30
1 1/4	365.00	1 1/4	750.43	1 1/4	1,123.97	1 1/4	1,505.24	1 1/4	1,894.19	1 1/4	2,283.13	1 1/4	2,672.03	1 1/4	3,062.82	1 1/4	3,449.61	1 1/4	3,838.40
1 1/2	373.10	1 1/2	758.20	1 1/2	1,131.76	1 1/2	1,513.35	1 1/2	1,902.29	1 1/2	2,291.23	1 1/2	2,680.13	1 1/2	3,070.92	1 1/2	3,457.71	1 1/2	3,846.50
3/4	381.21	3/4	765.97	3/4	1,139.56	3/4	1,521.45	3/4	1,910.39	3/4	2,299.34	3/4	2,688.23	3/4	3,079.02	3/4	3,465.81	3/4	3,854.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
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 50'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Porthand, Texas 77668



BARGE "EMS 530"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN
0	3,862.70	0	4,251.49	0	4,638.71	0	5,010.61	0	5,363.18	0		0		0		0		0	
1/4	3,870.80	1/4	4,259.58	1/4	4,646.64	1/4	5,018.12	1/4	5,370.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,878.90	1/2	4,267.68	1/2	4,654.57	1/2	5,025.63	1/2	5,377.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,887.00	3/4	4,275.79	3/4	4,662.50	3/4	5,033.15	3/4	5,385.32	3/4		3/4		3/4		3/4		3/4	
1	3,895.10	1	4,283.89	1	4,670.43	1	5,040.66	1	5,392.70	1		1		1		1		1	
1/4	3,903.20	1/4	4,291.99	1/4	4,678.33	1/4	5,048.15	1/4	5,400.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,911.30	1/2	4,300.09	1/2	4,686.23	1/2	5,055.63	1/2	5,408.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,919.40	3/4	4,308.19	3/4	4,694.13	3/4	5,063.11	3/4	5,416.18	3/4		3/4		3/4		3/4		3/4	
2	3,927.50	2	4,316.29	2	4,702.03	2	5,070.60	2	5,424.01	2		2		2		2		2	
1/4	3,935.60	1/4	4,324.39	1/4	4,709.90	1/4	5,078.05	1/4	5,432.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,943.70	1/2	4,332.49	1/2	4,717.77	1/2	5,085.50	1/2	5,440.11	1/2		1/2		1/2		1/2		1/2	
3/4	3,951.80	3/4	4,340.59	3/4	4,725.64	3/4	5,092.96	3/4	5,448.17	3/4		3/4		3/4		3/4		3/4	
3	3,959.90	3	4,348.69	3	4,733.51	3	5,100.41	3	5,456.22	3		3		3		3		3	
1/4	3,968.00	1/4	4,356.79	1/4	4,741.35	1/4	5,107.83	1/4	5,464.17	1/4		1/4		1/4		1/4		1/4	
1/2	3,976.10	1/2	4,364.89	1/2	4,749.19	1/2	5,115.26	1/2	5,472.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,984.20	3/4	4,372.98	3/4	4,757.03	3/4	5,122.68	3/4	5,480.07	3/4		3/4		3/4		3/4		3/4	
4	3,992.30	4	4,381.08	4	4,764.86	4	5,130.10	4	5,488.02	4		4		4		4		4	
1/4	4,000.40	1/4	4,389.18	1/4	4,772.67	1/4	5,137.49	1/4	5,495.16	1/4		1/4		1/4		1/4		1/4	
1/2	4,008.50	1/2	4,397.28	1/2	4,780.48	1/2	5,144.98	1/2	5,502.30	1/2		1/2		1/2		1/2		1/2	
3/4	4,016.60	3/4	4,405.38	3/4	4,788.29	3/4	5,152.27	3/4	5,509.45	3/4		3/4		3/4		3/4		3/4	
5	4,024.70	5	4,413.48	5	4,796.10	5	5,159.67	5	5,516.59	5		5		5		5		5	
1/4	4,032.80	1/4	4,421.58	1/4	4,803.97	1/4	5,167.03	1/4	5,522.21	1/4		1/4		1/4		1/4		1/4	
1/2	4,040.90	1/2	4,429.68	1/2	4,811.65	1/2	5,174.39	1/2	5,527.83	1/2		1/2		1/2		1/2		1/2	
3/4	4,049.00	3/4	4,437.78	3/4	4,819.43	3/4	5,181.75	3/4	5,533.45	3/4		3/4		3/4		3/4		3/4	
6	4,057.10	6	4,445.88	6	4,827.20	6	5,189.11	6	5,539.07	6		6		6		6		6	
1/4	4,065.20	1/4	4,453.98	1/4	4,834.95	1/4	5,196.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,073.30	1/2	4,462.08	1/2	4,842.70	1/2	5,203.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,081.40	3/4	4,470.17	3/4	4,850.44	3/4	5,211.10	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,089.50	7	4,478.27	7	4,858.19	7	5,218.43	7		7		7		7		7		7	
1/4	4,097.60	1/4	4,486.35	1/4	4,865.90	1/4	5,225.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,105.69	1/2	4,494.43	1/2	4,873.62	1/2	5,233.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,113.79	3/4	4,502.51	3/4	4,881.33	3/4	5,240.33	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,121.89	8	4,510.69	8	4,889.05	8	5,247.63	8		8		8		8		8		8	
1/4	4,129.99	1/4	4,518.85	1/4	4,896.71	1/4	5,254.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,138.09	1/2	4,526.70	1/2	4,904.37	1/2	5,262.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,146.19	3/4	4,534.75	3/4	4,912.03	3/4	5,269.43	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,154.29	9	4,542.81	9	4,919.69	9	5,276.70	9		9		9		9		9		9	
1/4	4,162.39	1/4	4,550.83	1/4	4,927.30	1/4	5,283.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,170.49	1/2	4,558.85	1/2	4,934.91	1/2	5,291.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,178.59	3/4	4,566.88	3/4	4,942.51	3/4	5,298.41	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,186.69	10	4,574.90	10	4,950.12	10	5,305.65	10		10		10		10		10		10	
1/4	4,194.79	1/4	4,582.89	1/4	4,957.70	1/4	5,312.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,202.89	1/2	4,590.86	1/2	4,965.27	1/2	5,320.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,210.99	3/4	4,598.87	3/4	4,972.85	3/4	5,327.27	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,218.09	11	4,606.87	11	4,980.42	11	5,334.46	11		11		11		11		11		11	
1/4	4,227.19	1/4	4,614.83	1/4	4,987.97	1/4	5,341.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,235.29	1/2	4,622.79	1/2	4,995.51	1/2	5,348.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,243.39	3/4	4,630.75	3/4	5,003.06	3/4	5,356.01	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588



BARGE "EMS 530"

3 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	12.95	0	362.65	0	721.96	0	1,076.90	0	1,439.01	0	1,801.10	0	2,162.69	0	2,524.67	0	2,886.47	0	3,248.27
1/4	17.88	1/4	370.19	1/4	729.28	1/4	1,084.44	1/4	1,446.55	1/4	1,808.65	1/4	2,170.22	1/4	2,532.20	1/4	2,894.00	1/4	3,255.80
1/2	23.01	1/2	377.74	1/2	736.61	1/2	1,091.89	1/2	1,454.09	1/2	1,816.19	1/2	2,177.75	1/2	2,539.74	1/2	2,901.54	1/2	3,263.34
3/4	28.04	3/4	383.28	3/4	743.94	3/4	1,098.53	3/4	1,461.84	3/4	1,823.74	3/4	2,185.28	3/4	2,547.28	3/4	2,909.08	3/4	3,270.88
1	33.07	1	392.83	1	751.26	1	1,107.07	1	1,469.18	1	1,831.28	1	2,193.81	1	2,556.82	1	2,919.82	1	3,282.42
1/4	39.99	1/4	400.37	1/4	758.59	1/4	1,114.62	1/4	1,476.73	1/4	1,838.82	1/4	2,200.34	1/4	2,562.35	1/4	2,924.15	1/4	3,285.95
1/2	46.91	1/2	407.91	1/2	765.92	1/2	1,122.16	1/2	1,484.27	1/2	1,846.37	1/2	2,207.87	1/2	2,569.88	1/2	2,931.89	1/2	3,293.49
3/4	53.83	3/4	415.45	3/4	773.25	3/4	1,129.71	3/4	1,491.81	3/4	1,853.91	3/4	2,215.40	3/4	2,577.43	3/4	2,939.23	3/4	3,301.03
2	60.75	2	423.00	2	780.57	2	1,137.25	2	1,499.36	2	1,861.45	2	2,222.93	2	2,584.97	2	2,946.47	2	3,308.57
1/4	68.29	1/4	430.54	1/4	787.90	1/4	1,144.79	1/4	1,506.90	1/4	1,868.99	1/4	2,230.47	1/4	2,592.80	1/4	2,954.30	1/4	3,316.10
1/2	75.84	1/2	438.08	1/2	795.23	1/2	1,152.34	1/2	1,514.44	1/2	1,876.52	1/2	2,236.01	1/2	2,600.04	1/2	2,961.84	1/2	3,323.84
3/4	83.39	3/4	445.63	3/4	802.58	3/4	1,158.88	3/4	1,521.99	3/4	1,884.05	3/4	2,246.55	3/4	2,607.58	3/4	2,968.38	3/4	3,331.18
3	90.94	3	453.17	3	809.89	3	1,167.43	3	1,529.53	3	1,891.60	3	2,253.09	3	2,615.12	3	2,976.92	3	3,338.72
1/4	98.48	1/4	460.71	1/4	817.22	1/4	1,174.97	1/4	1,537.07	1/4	1,899.13	1/4	2,260.64	1/4	2,622.65	1/4	2,984.45	1/4	3,346.25
1/2	106.03	1/2	468.26	1/2	824.55	1/2	1,182.62	1/2	1,544.62	1/2	1,906.66	1/2	2,268.18	1/2	2,630.19	1/2	2,991.99	1/2	3,353.79
3/4	113.58	3/4	475.81	3/4	831.88	3/4	1,190.06	3/4	1,552.16	3/4	1,914.19	3/4	2,275.73	3/4	2,637.73	3/4	2,999.53	3/4	3,361.33
4	121.13	4	483.35	4	839.21	4	1,197.60	4	1,559.14	4	1,921.72	4	2,283.28	4	2,645.27	4	3,007.07	4	3,368.87
1/4	128.67	1/4	490.90	1/4	846.54	1/4	1,205.15	1/4	1,567.25	1/4	1,929.25	1/4	2,290.82	1/4	2,652.80	1/4	3,014.69	1/4	3,376.35
1/2	136.22	1/2	498.45	1/2	853.86	1/2	1,212.69	1/2	1,574.79	1/2	1,936.78	1/2	2,298.37	1/2	2,660.34	1/2	3,022.14	1/2	3,383.83
3/4	143.77	3/4	506.00	3/4	861.19	3/4	1,220.24	3/4	1,582.34	3/4	1,944.31	3/4	2,305.92	3/4	2,667.88	3/4	3,029.68	3/4	3,391.32
5	151.32	5	513.54	5	868.52	5	1,227.78	5	1,589.88	5	1,951.84	5	2,313.46	5	2,675.42	5	3,037.22	5	3,398.80
1/4	158.86	1/4	521.09	1/4	875.85	1/4	1,236.33	1/4	1,597.42	1/4	1,959.37	1/4	2,321.01	1/4	2,682.95	1/4	3,044.76	1/4	3,406.23
1/2	166.41	1/2	528.64	1/2	883.18	1/2	1,242.87	1/2	1,604.97	1/2	1,966.90	1/2	2,328.56	1/2	2,690.49	1/2	3,052.29	1/2	3,413.65
3/4	173.96	3/4	536.19	3/4	890.51	3/4	1,250.41	3/4	1,612.51	3/4	1,974.43	3/4	2,336.11	3/4	2,698.03	3/4	3,059.83	3/4	3,421.08
6	181.51	6	543.73	6	897.84	6	1,257.95	6	1,620.06	6	1,981.96	6	2,343.65	6	2,705.57	6	3,067.37	6	3,428.51
1/4	189.05	1/4	551.28	1/4	905.18	1/4	1,265.50	1/4	1,627.60	1/4	1,989.49	1/4	2,351.20	1/4	2,713.10	1/4	3,074.90	1/4	3,435.93
1/2	196.60	1/2	558.83	1/2	912.51	1/2	1,273.05	1/2	1,635.14	1/2	1,997.02	1/2	2,358.75	1/2	2,720.64	1/2	3,082.44	1/2	3,443.36
3/4	204.15	3/4	566.38	3/4	919.85	3/4	1,280.59	3/4	1,642.69	3/4	2,004.56	3/4	2,366.29	3/4	2,728.18	3/4	3,089.98	3/4	3,450.79
7	211.70	7	573.92	7	927.19	7	1,288.13	7	1,650.23	7	2,012.08	7	2,373.84	7	2,735.72	7	3,097.52	7	3,458.21
1/4	219.24	1/4	581.47	1/4	934.53	1/4	1,295.68	1/4	1,657.77	1/4	2,019.61	1/4	2,381.39	1/4	2,743.25	1/4	3,105.05	1/4	3,465.64
1/2	226.79	1/2	589.02	1/2	941.88	1/2	1,303.22	1/2	1,665.32	1/2	2,027.14	1/2	2,388.93	1/2	2,750.79	1/2	3,112.59	1/2	3,473.07
3/4	234.34	3/4	596.57	3/4	949.23	3/4	1,310.76	3/4	1,672.86	3/4	2,034.67	3/4	2,396.48	3/4	2,758.33	3/4	3,120.13	3/4	3,480.49
8	241.89	8	604.11	8	956.58	8	1,318.31	8	1,680.41	8	2,042.20	8	2,404.02	8	2,765.87	8	3,127.67	8	3,487.92
1/4	249.43	1/4	611.56	1/4	964.02	1/4	1,325.85	1/4	1,687.95	1/4	2,049.73	1/4	2,411.57	1/4	2,773.40	1/4	3,135.20	1/4	3,495.34
1/2	256.98	1/2	619.01	1/2	971.47	1/2	1,333.39	1/2	1,695.49	1/2	2,057.26	1/2	2,419.11	1/2	2,780.94	1/2	3,142.74	1/2	3,502.77
3/4	264.53	3/4	626.46	3/4	978.92	3/4	1,340.94	3/4	1,703.04	3/4	2,064.80	3/4	2,426.66	3/4	2,788.48	3/4	3,150.28	3/4	3,510.20
9	272.08	9	633.91	9	986.37	9	1,348.48	9	1,710.58	9	2,072.33	9	2,434.20	9	2,796.02	9	3,157.82	9	3,517.62
1/4	279.62	1/4	641.26	1/4	993.81	1/4	1,356.03	1/4	1,718.12	1/4	2,079.86	1/4	2,441.74	1/4	2,803.55	1/4	3,165.35	1/4	3,525.05
1/2	287.17	1/2	648.60	1/2	1,001.46	1/2	1,363.57	1/2	1,725.67	1/2	2,087.39	1/2	2,449.28	1/2	2,811.09	1/2	3,172.89	1/2	3,532.48
3/4	294.72	3/4	655.95	3/4	1,009.00	3/4	1,371.11	3/4	1,733.21	3/4	2,094.92	3/4	2,456.83	3/4	2,818.63	3/4	3,180.43	3/4	3,539.90
10	302.27	10	663.30	10	1,016.54	10	1,378.66	10	1,740.75	10	2,102.45	10	2,464.37	10	2,826.17	10	3,187.97	10	3,547.33
1/4	309.81	1/4	670.64	1/4	1,024.08	1/4	1,386.20	1/4	1,748.30	1/4	2,109.98	1/4	2,471.90	1/4	2,833.70	1/4	3,195.50	1/4	3,554.81
1/2	317.36	1/2	677.97	1/2	1,031.63	1/2	1,393.74	1/2	1,755.84	1/2	2,117.51	1/2	2,479.44	1/2	2,841.24	1/2	3,203.04	1/2	3,562.29
3/4	324.91	3/4	685.31	3/4	1,039.18	3/4	1,401.29	3/4	1,763.39	3/4	2,125.04	3/4	2,486.98	3/4	2,848.78	3/4	3,210.58	3/4	3,569.77
11	332.46	11	692.65	11	1,046.72	11	1,408.83	11	1,770.93	11	2,132.57	11	2,494.52	11	2,856.32	11	3,218.12	11	3,577.25
1/4	340.00	1/4	699.97	1/4	1,054.26	1/4	1,416.38	1/4	1,778.47	1/4	2,140.10	1/4	2,502.05	1/4	2,863.85	1/4	3,225.66	1/4	3,584.30
1/2	347.55	1/2	707.30	1/2	1,061.81	1/2	1,423.92	1/2	1,786.02	1/2	2,147.63	1/2	2,509.59	1/2	2,871.39	1/2	3,233.19	1/2	3,591.35
3/4	355.10	3/4	714.63	3/4	1,069.35	3/4	1,431.46	3/4	1,793.56	3/4	2,155.16	3/4	2,517.13	3/4	2,878.93	3/4	3,240.73	3/4	3,598.40

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 UP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 48'-05" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2082

Pasadena, Texas 77508

Paul J. Harn



3 PORT
BARGE "EMS 530"

3 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	3,605.46	0	3,875.40	0	4,141.91	0	4,394.28	0	4,628.36	0		0		0		0		0	
1/4	3,611.53	1/4	3,880.98	1/4	4,147.33	1/4	4,399.33	1/4	4,633.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,617.60	1/2	3,886.56	1/2	4,152.76	1/2	4,404.38	1/2	4,638.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,623.67	3/4	3,892.14	3/4	4,158.18	3/4	4,409.42	3/4	4,642.53	3/4		3/4		3/4		3/4		3/4	
1	3,629.75	1	3,897.73	1	4,163.61	1	4,414.47	1	4,647.19	1		1		1		1		1	
1 1/4	3,635.33	1 1/4	3,903.31	1 1/4	4,169.00	1 1/4	4,419.49	1 1/4	4,653.06	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,640.91	1 1/2	3,908.89	1 1/2	4,174.40	1 1/2	4,424.51	1 1/2	4,658.33	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
2	3,646.50	2	3,914.48	2	4,179.80	2	4,429.53	2	4,663.61	2		2		2		2		2	
2 1/4	3,652.08	2 1/4	3,920.06	2 1/4	4,185.19	2 1/4	4,434.55	2 1/4	4,668.88	2 1/4		2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2	3,657.66	2 1/2	3,925.64	2 1/2	4,190.58	2 1/2	4,439.54	2 1/2	4,674.36	2 1/2		2 1/2		2 1/2		2 1/2		2 1/2	
2 3/4	3,663.25	2 3/4	3,931.22	2 3/4	4,195.93	2 3/4	4,444.53	2 3/4	4,679.85	2 3/4		2 3/4		2 3/4		2 3/4		2 3/4	
3	3,668.83	3	3,936.81	3	4,201.30	3	4,449.52	3	4,685.33	3		3		3		3		3	
3 1/4	3,674.41	3 1/4	3,942.39	3 1/4	4,206.68	3 1/4	4,454.51	3 1/4	4,690.82	3 1/4		3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2	3,679.99	3 1/2	3,947.97	3 1/2	4,212.00	3 1/2	4,459.48	3 1/2	4,696.21	3 1/2		3 1/2		3 1/2		3 1/2		3 1/2	
3 3/4	3,685.58	3 3/4	3,953.55	3 3/4	4,217.34	3 3/4	4,464.44	3 3/4	4,701.60	3 3/4		3 3/4		3 3/4		3 3/4		3 3/4	
4	3,691.16	4	3,959.14	4	4,222.68	4	4,469.40	4	4,706.99	4		4		4		4		4	
4 1/4	3,696.74	4 1/4	3,964.72	4 1/4	4,228.02	4 1/4	4,474.36	4 1/4	4,712.38	4 1/4		4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2	3,702.33	4 1/2	3,970.31	4 1/2	4,233.33	4 1/2	4,479.29	4 1/2	4,717.01	4 1/2		4 1/2		4 1/2		4 1/2		4 1/2	
4 3/4	3,707.91	4 3/4	3,975.89	4 3/4	4,238.64	4 3/4	4,484.23	4 3/4	4,721.65	4 3/4		4 3/4		4 3/4		4 3/4		4 3/4	
5	3,713.49	5	3,981.47	5	4,243.95	5	4,489.16	5	4,726.28	5		5		5		5		5	
5 1/4	3,719.07	5 1/4	3,987.05	5 1/4	4,249.26	5 1/4	4,494.10	5 1/4	4,730.92	5 1/4		5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	3,724.66	5 1/2	3,992.62	5 1/2	4,254.54	5 1/2	4,499.00	5 1/2	4,734.34	5 1/2		5 1/2		5 1/2		5 1/2		5 1/2	
5 3/4	3,730.24	5 3/4	3,998.22	5 3/4	4,259.82	5 3/4	4,503.90	5 3/4	4,737.36	5 3/4		5 3/4		5 3/4		5 3/4		5 3/4	
6	3,735.82	6	4,003.80	6	4,265.11	6	4,508.81	6	4,740.58	6		6		6		6		6	
6 1/4	3,741.41	6 1/4	4,009.39	6 1/4	4,270.39	6 1/4	4,513.71	6 1/4	4,743.80	6 1/4		6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	3,746.99	6 1/2	4,014.96	6 1/2	4,275.84	6 1/2	4,518.69	6 1/2		6 1/2		6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4	3,752.57	6 3/4	4,020.54	6 3/4	4,280.89	6 3/4	4,523.47	6 3/4		6 3/4		6 3/4		6 3/4		6 3/4		6 3/4	
7	3,758.15	7	4,026.12	7	4,286.15	7	4,528.34	7		7		7		7		7		7	
7 1/4	3,763.74	7 1/4	4,031.70	7 1/4	4,291.40	7 1/4	4,533.22	7 1/4		7 1/4		7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	3,769.32	7 1/2	4,037.26	7 1/2	4,296.82	7 1/2	4,538.07	7 1/2		7 1/2		7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4	3,774.90	7 3/4	4,042.83	7 3/4	4,301.85	7 3/4	4,542.91	7 3/4		7 3/4		7 3/4		7 3/4		7 3/4		7 3/4	
8	3,780.49	8	4,048.39	8	4,307.07	8	4,547.76	8		8		8		8		8		8	
8 1/4	3,786.07	8 1/4	4,053.86	8 1/4	4,312.30	8 1/4	4,552.61	8 1/4		8 1/4		8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	3,791.65	8 1/2	4,059.50	8 1/2	4,317.48	8 1/2	4,557.43	8 1/2		8 1/2		8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	3,797.24	8 3/4	4,065.04	8 3/4	4,322.65	8 3/4	4,562.25	8 3/4		8 3/4		8 3/4		8 3/4		8 3/4		8 3/4	
9	3,802.82	9	4,070.58	9	4,327.83	9	4,567.06	9		9		9		9		9		9	
9 1/4	3,808.40	9 1/4	4,076.12	9 1/4	4,333.01	9 1/4	4,571.88	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	3,813.98	9 1/2	4,081.63	9 1/2	4,338.15	9 1/2	4,576.64	9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	3,819.57	9 3/4	4,087.14	9 3/4	4,343.28	9 3/4	4,581.40	9 3/4		9 3/4		9 3/4		9 3/4		9 3/4		9 3/4	
10	3,825.15	10	4,092.65	10	4,348.42	10	4,586.15	10		10		10		10		10		10	
10 1/4	3,830.73	10 1/4	4,098.16	10 1/4	4,353.55	10 1/4	4,590.81	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	3,836.32	10 1/2	4,103.64	10 1/2	4,358.68	10 1/2	4,595.61	10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	3,841.90	10 3/4	4,109.13	10 3/4	4,363.76	10 3/4	4,600.30	10 3/4		10 3/4		10 3/4		10 3/4		10 3/4		10 3/4	
11	3,847.48	11	4,114.61	11	4,368.87	11	4,605.00	11		11		11		11		11		11	
11 1/4	3,853.06	11 1/4	4,120.09	11 1/4	4,373.97	11 1/4	4,609.69	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	3,858.65	11 1/2	4,125.54	11 1/2	4,379.05	11 1/2	4,614.35	11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	3,864.23	11 3/4	4,131.00	11 3/4	4,384.13	11 3/4	4,619.03	11 3/4		11 3/4		11 3/4		11 3/4		11 3/4		11 3/4	
12	3,869.81	12	4,136.45	12	4,389.20	12	4,623.69	12		12		12		12		12		12	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2024

PRECISION MEASUREMENT

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Patterson, Texas 77368

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BARGE "EMS 530"

3 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	12.95	0	382.37	0	717.27	0	1,061.72	0	1,423.11	0	1,793.95	0	2,141.04	0	2,502.37	0	2,863.45	0	3,224.62
1/4	17.86	1/4	369.80	1/4	724.29	1/4	1,069.25	1/4	1,430.64	1/4	1,791.38	1/4	2,148.56	1/4	2,509.89	1/4	2,870.97	1/4	3,232.15
1/2	23.01	1/2	377.44	1/2	731.32	1/2	1,076.77	1/2	1,438.17	1/2	1,798.82	1/2	2,156.08	1/2	2,517.41	1/2	2,878.50	1/2	3,239.67
3/4	28.04	3/4	384.97	3/4	738.35	3/4	1,084.29	3/4	1,445.70	3/4	1,806.26	3/4	2,165.02	3/4	2,524.93	3/4	2,885.02	3/4	3,245.20
1	33.08	1	392.51	1	745.37	1	1,091.82	1	1,453.23	1	1,813.70	1	2,171.12	1	2,532.44	1	2,893.55	1	3,254.72
1 1/4	40.00	1 1/4	400.94	1 1/4	752.40	1 1/4	1,099.35	1 1/4	1,460.75	1 1/4	1,821.14	1 1/4	2,178.64	1 1/4	2,539.96	1 1/4	2,901.87	1 1/4	3,262.25
1 1/2	46.92	1 1/2	407.57	1 1/2	759.43	1 1/2	1,106.87	1 1/2	1,468.28	1 1/2	1,828.58	1 1/2	2,186.58	1 1/2	2,547.48	1 1/2	2,908.59	1 1/2	3,269.77
1 3/4	53.84	1 3/4	415.11	1 3/4	766.48	1 3/4	1,114.40	1 3/4	1,475.81	1 3/4	1,836.01	1 3/4	2,193.68	1 3/4	2,555.00	1 3/4	2,916.12	1 3/4	3,277.30
2	60.76	2	422.64	2	773.48	2	1,121.93	2	1,483.34	2	1,843.45	2	2,201.18	2	2,562.52	2	2,923.04	2	3,284.62
2 1/4	68.31	2 1/4	430.17	2 1/4	780.51	2 1/4	1,129.46	2 1/4	1,490.87	2 1/4	1,850.88	2 1/4	2,208.72	2 1/4	2,570.04	2 1/4	2,931.17	2 1/4	3,292.34
2 1/2	75.86	2 1/2	437.71	2 1/2	787.54	2 1/2	1,137.00	2 1/2	1,498.40	2 1/2	1,858.31	2 1/2	2,216.25	2 1/2	2,577.56	2 1/2	2,938.89	2 1/2	3,299.87
2 3/4	83.40	2 3/4	445.24	2 3/4	794.57	2 3/4	1,144.53	2 3/4	1,505.93	2 3/4	1,865.75	2 3/4	2,223.78	2 3/4	2,585.08	2 3/4	2,946.22	2 3/4	3,307.39
3	90.85	3	452.77	3	801.60	3	1,152.06	3	1,513.46	3	1,873.18	3	2,231.30	3	2,592.60	3	2,953.74	3	3,314.92
3 1/4	98.50	3 1/4	460.31	3 1/4	808.63	3 1/4	1,159.59	3 1/4	1,520.98	3 1/4	1,880.60	3 1/4	2,239.84	3 1/4	2,600.12	3 1/4	2,961.27	3 1/4	3,322.44
3 1/2	106.05	3 1/2	467.84	3 1/2	815.66	3 1/2	1,167.12	3 1/2	1,528.51	3 1/2	1,888.03	3 1/2	2,246.37	3 1/2	2,607.84	3 1/2	2,968.79	3 1/2	3,329.97
3 3/4	113.60	3 3/4	475.38	3 3/4	822.69	3 3/4	1,174.65	3 3/4	1,538.04	3 3/4	1,895.45	3 3/4	2,253.81	3 3/4	2,615.16	3 3/4	2,976.32	3 3/4	3,337.49
4	121.15	4	482.92	4	829.72	4	1,182.18	4	1,543.57	4	1,902.88	4	2,261.44	4	2,622.88	4	2,983.84	4	3,345.02
4 1/4	128.69	4 1/4	490.46	4 1/4	836.75	4 1/4	1,189.71	4 1/4	1,551.10	4 1/4	1,910.30	4 1/4	2,268.88	4 1/4	2,630.20	4 1/4	2,991.36	4 1/4	3,352.48
4 1/2	136.23	4 1/2	497.99	4 1/2	843.78	4 1/2	1,197.24	4 1/2	1,558.63	4 1/2	1,917.73	4 1/2	2,276.51	4 1/2	2,637.72	4 1/2	2,998.89	4 1/2	3,359.95
4 3/4	143.78	4 3/4	505.53	4 3/4	850.81	4 3/4	1,204.77	4 3/4	1,566.16	4 3/4	1,925.15	4 3/4	2,284.05	4 3/4	2,645.24	4 3/4	2,998.89	4 3/4	3,367.42
5	151.32	5	513.06	5	857.83	5	1,212.30	5	1,573.88	5	1,932.58	5	2,291.68	5	2,652.76	5	2,998.89	5	3,374.88
5 1/4	158.86	5 1/4	520.60	5 1/4	864.86	5 1/4	1,219.83	5 1/4	1,581.21	5 1/4	1,940.00	5 1/4	2,299.12	5 1/4	2,660.29	5 1/4	3,001.46	5 1/4	3,382.30
5 1/2	166.40	5 1/2	528.14	5 1/2	871.89	5 1/2	1,227.36	5 1/2	1,588.74	5 1/2	1,947.43	5 1/2	2,306.56	5 1/2	2,667.81	5 1/2	3,008.99	5 1/2	3,389.72
5 3/4	173.93	5 3/4	535.68	5 3/4	878.91	5 3/4	1,234.89	5 3/4	1,596.27	5 3/4	1,954.85	5 3/4	2,314.19	5 3/4	2,675.34	5 3/4	3,016.51	5 3/4	3,397.13
6	181.47	6	543.21	6	885.93	6	1,242.42	6	1,603.30	6	1,962.28	6	2,321.73	6	2,682.86	6	3,024.04	6	3,404.55
6 1/4	189.01	6 1/4	550.75	6 1/4	892.97	6 1/4	1,249.95	6 1/4	1,611.33	6 1/4	1,969.70	6 1/4	2,329.26	6 1/4	2,690.38	6 1/4	3,031.56	6 1/4	3,411.96
6 1/2	196.54	6 1/2	558.28	6 1/2	900.00	6 1/2	1,257.48	6 1/2	1,618.86	6 1/2	1,977.13	6 1/2	2,336.80	6 1/2	2,697.91	6 1/2	3,039.08	6 1/2	3,419.37
6 3/4	204.08	6 3/4	565.83	6 3/4	907.04	6 3/4	1,265.01	6 3/4	1,626.39	6 3/4	1,984.55	6 3/4	2,344.33	6 3/4	2,705.43	6 3/4	3,046.61	6 3/4	3,426.79
7	211.62	7	573.36	7	914.07	7	1,272.53	7	1,633.91	7	1,991.98	7	2,351.87	7	2,712.96	7	3,054.13	7	3,434.20
7 1/4	219.16	7 1/4	580.90	7 1/4	921.12	7 1/4	1,280.06	7 1/4	1,641.44	7 1/4	1,999.40	7 1/4	2,359.40	7 1/4	2,720.48	7 1/4	3,061.66	7 1/4	3,441.62
7 1/2	226.69	7 1/2	588.44	7 1/2	928.18	7 1/2	1,287.59	7 1/2	1,648.97	7 1/2	2,006.83	7 1/2	2,366.94	7 1/2	2,728.01	7 1/2	3,069.18	7 1/2	3,449.04
7 3/4	234.23	7 3/4	595.97	7 3/4	935.23	7 3/4	1,295.12	7 3/4	1,656.50	7 3/4	2,014.36	7 3/4	2,374.47	7 3/4	2,735.53	7 3/4	3,076.71	7 3/4	3,456.46
8	241.77	8	603.51	8	942.28	8	1,302.65	8	1,664.03	8	2,021.88	8	2,382.00	8	2,743.06	8	3,084.23	8	3,463.88
8 1/4	249.31	8 1/4	610.81	8 1/4	949.57	8 1/4	1,310.18	8 1/4	1,671.56	8 1/4	2,029.11	8 1/4	2,389.53	8 1/4	2,750.58	8 1/4	3,111.76	8 1/4	3,471.30
8 1/2	256.84	8 1/2	618.12	8 1/2	956.85	8 1/2	1,317.71	8 1/2	1,679.09	8 1/2	2,036.53	8 1/2	2,397.06	8 1/2	2,758.10	8 1/2	3,119.28	8 1/2	3,478.73
8 3/4	264.38	8 3/4	625.42	8 3/4	964.15	8 3/4	1,325.24	8 3/4	1,686.67	8 3/4	2,043.98	8 3/4	2,404.59	8 3/4	2,765.63	8 3/4	3,126.81	8 3/4	3,486.15
9	271.92	9	632.72	9	971.44	9	1,332.77	9	1,694.14	9	2,051.38	9	2,412.12	9	2,773.15	9	3,134.33	9	3,493.59
9 1/4	279.46	9 1/4	639.78	9 1/4	978.97	9 1/4	1,340.29	9 1/4	1,701.67	9 1/4	2,058.81	9 1/4	2,419.65	9 1/4	2,780.68	9 1/4	3,141.85	9 1/4	3,501.01
9 1/2	286.99	9 1/2	646.85	9 1/2	986.49	9 1/2	1,347.82	9 1/2	1,709.20	9 1/2	2,066.23	9 1/2	2,427.17	9 1/2	2,788.20	9 1/2	3,149.38	9 1/2	3,508.43
9 3/4	294.53	9 3/4	653.91	9 3/4	994.01	9 3/4	1,355.35	9 3/4	1,716.73	9 3/4	2,073.65	9 3/4	2,434.69	9 3/4	2,795.73	9 3/4	3,156.90	9 3/4	3,515.86
10	302.07	10	660.98	10	1,001.34	10	1,362.88	10	1,724.26	10	2,081.08	10	2,442.21	10	2,803.25	10	3,164.43	10	3,523.28
10 1/4	309.60	10 1/4	668.02	10 1/4	1,009.06	10 1/4	1,370.41	10 1/4	1,731.74	10 1/4	2,088.55	10 1/4	2,449.73	10 1/4	2,810.78	10 1/4	3,171.95	10 1/4	3,530.76
10 1/2	317.14	10 1/2	675.07	10 1/2	1,016.58	10 1/2	1,377.94	10 1/2	1,739.23	10 1/2	2,096.02	10 1/2	2,457.25	10 1/2	2,818.30	10 1/2	3,179.48	10 1/2	3,538.24
10 3/4	324.68	10 3/4	682.11	10 3/4	1,024.11	10 3/4	1,385.47	10 3/4	1,746.71	10 3/4	2,103.50	10 3/4	2,464.77	10 3/4	2,825.83	10 3/4	3,187.00	10 3/4	3,545.71
11	332.22	11	689.16	11	1,031.63	11	1,393.00	11	1,754.19	11	2,110.97	11	2,472.29	11	2,833.35	11	3,194.53	11	3,553.20
11 1/4	339.75	11 1/4	696.18	11 1/4	1,039.15	11 1/4	1,400.52	11 1/4	1,761.63	11 1/4	2,118.49	11 1/4	2,479.81	11 1/4	2,840.87	11 1/4	3,202.05	11 1/4	3,560.25
11 1/2	347.29	11 1/2	703.21	11 1/2	1,046.68	11 1/2	1,408.05	11 1/2	1,769.07	11 1/2	2,126.01	11 1/2	2,487.33	11 1/2	2,848.40	11 1/2	3,209.57	11 1/2	3,567.31
11 3/4	354.83	11 3/4	710.24	11 3/4	1,054.20	11 3/4	1,415.58	11 3/4	1,776.51	11 3/4	2,133.52	11 3/4	2,494.85	11 3/4	2,855.92	11 3/4	3,217.10	11 3/4	3,574.36

RANGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPAS 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 UP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10' 09" OFF CENTERLINE AND 48' 03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2082

Portland, Texas 77888



BARGE "EMS 530"

3 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	3,581.41	0	3,851.71	0	4,118.59	0	4,371.38	0	4,605.84	0		0		0		0		0	
1/4	3,587.49	1/4	3,857.30	1/4	4,124.03	1/4	4,376.44	1/4	4,610.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,593.67	1/2	3,862.89	1/2	4,129.46	1/2	4,381.50	1/2	4,615.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,599.85	3/4	3,868.48	3/4	4,134.89	3/4	4,386.56	3/4	4,620.54	3/4		3/4		3/4		3/4		3/4	
1	3,605.73	1	3,874.07	1	4,140.33	1	4,391.61	1	4,626.40	1		1		1		1		1	
1 1/4	3,611.32	1 1/4	3,879.66	1 1/4	4,145.73	1 1/4	4,396.64	1 1/4	4,630.69	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	3,616.91	1 1/2	3,885.25	1 1/2	4,151.14	1 1/2	4,401.87	1 1/2	4,635.87	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
2	3,622.50	2	3,890.84	2	4,156.54	2	4,406.70	2	4,641.25	2		2		2		2		2	
2 1/4	3,628.09	2 1/4	3,896.43	2 1/4	4,161.94	2 1/4	4,411.73	2 1/4	4,646.53	2 1/4		2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2	3,633.68	2 1/2	3,902.02	2 1/2	4,167.32	2 1/2	4,416.73	2 1/2	4,652.02	2 1/2		2 1/2		2 1/2		2 1/2		2 1/2	
2 3/4	3,639.27	2 3/4	3,907.61	2 3/4	4,172.70	2 3/4	4,421.73	2 3/4	4,657.51	2 3/4		2 3/4		2 3/4		2 3/4		2 3/4	
3	3,644.86	3	3,913.20	3	4,178.07	3	4,426.73	3	4,663.01	3		3		3		3		3	
3 1/4	3,650.45	3 1/4	3,918.79	3 1/4	4,183.45	3 1/4	4,431.73	3 1/4	4,668.50	3 1/4		3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2	3,656.04	3 1/2	3,924.39	3 1/2	4,188.80	3 1/2	4,436.70	3 1/2	4,673.80	3 1/2		3 1/2		3 1/2		3 1/2		3 1/2	
3 3/4	3,661.63	3 3/4	3,929.98	3 3/4	4,194.14	3 3/4	4,441.67	3 3/4	4,679.28	3 3/4		3 3/4		3 3/4		3 3/4		3 3/4	
4	3,667.22	4	3,935.57	4	4,199.49	4	4,446.64	4	4,684.69	4		4		4		4		4	
4 1/4	3,672.81	4 1/4	3,941.16	4 1/4	4,204.84	4 1/4	4,451.62	4 1/4	4,689.09	4 1/4		4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2	3,678.40	4 1/2	3,946.75	4 1/2	4,210.16	4 1/2	4,456.56	4 1/2	4,694.73	4 1/2		4 1/2		4 1/2		4 1/2		4 1/2	
4 3/4	3,683.99	4 3/4	3,952.34	4 3/4	4,215.48	4 3/4	4,461.50	4 3/4	4,699.38	4 3/4		4 3/4		4 3/4		4 3/4		4 3/4	
5	3,689.58	5	3,957.93	5	4,220.80	5	4,466.45	5	4,704.02	5		5		5		5		5	
5 1/4	3,695.17	5 1/4	3,963.52	5 1/4	4,226.11	5 1/4	4,471.39	5 1/4	4,708.86	5 1/4		5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	3,700.77	5 1/2	3,969.11	5 1/2	4,231.40	5 1/2	4,476.30	5 1/2	4,711.89	5 1/2		5 1/2		5 1/2		5 1/2		5 1/2	
5 3/4	3,706.36	5 3/4	3,974.70	5 3/4	4,236.69	5 3/4	4,481.22	5 3/4	4,715.12	5 3/4		5 3/4		5 3/4		5 3/4		5 3/4	
6	3,711.95	6	3,980.29	6	4,241.88	6	4,486.13	6	4,718.35	6		6		6		6		6	
6 1/4	3,717.54	6 1/4	3,985.88	6 1/4	4,247.28	6 1/4	4,491.05	6 1/4	4,721.67	6 1/4		6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	3,723.13	6 1/2	3,991.47	6 1/2	4,252.54	6 1/2	4,495.93	6 1/2		6 1/2		6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4	3,728.72	6 3/4	3,997.05	6 3/4	4,257.80	6 3/4	4,500.82	6 3/4		6 3/4		6 3/4		6 3/4		6 3/4		6 3/4	
7	3,734.31	7	4,002.64	7	4,263.06	7	4,505.70	7		7		7		7		7		7	
7 1/4	3,739.90	7 1/4	4,008.23	7 1/4	4,268.32	7 1/4	4,510.58	7 1/4		7 1/4		7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	3,745.49	7 1/2	4,013.80	7 1/2	4,273.55	7 1/2	4,515.45	7 1/2		7 1/2		7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4	3,751.08	7 3/4	4,019.37	7 3/4	4,278.79	7 3/4	4,520.30	7 3/4		7 3/4		7 3/4		7 3/4		7 3/4		7 3/4	
8	3,756.67	8	4,024.95	8	4,284.02	8	4,525.16	8		8		8		8		8		8	
8 1/4	3,762.26	8 1/4	4,030.52	8 1/4	4,289.25	8 1/4	4,530.02	8 1/4		8 1/4		8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	3,767.85	8 1/2	4,036.07	8 1/2	4,294.44	8 1/2	4,534.85	8 1/2		8 1/2		8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	3,773.44	8 3/4	4,041.61	8 3/4	4,299.63	8 3/4	4,539.68	8 3/4		8 3/4		8 3/4		8 3/4		8 3/4		8 3/4	
9	3,779.03	9	4,047.16	9	4,304.82	9	4,544.51	9		9		9		9		9		9	
9 1/4	3,784.62	9 1/4	4,052.71	9 1/4	4,310.01	9 1/4	4,549.33	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	3,790.21	9 1/2	4,058.23	9 1/2	4,315.15	9 1/2	4,554.10	9 1/2		9 1/2		9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	3,795.80	9 3/4	4,063.75	9 3/4	4,320.29	9 3/4	4,558.87	9 3/4		9 3/4		9 3/4		9 3/4		9 3/4		9 3/4	
10	3,801.39	10	4,069.27	10	4,325.44	10	4,563.64	10		10		10		10		10		10	
10 1/4	3,806.98	10 1/4	4,074.78	10 1/4	4,330.58	10 1/4	4,568.40	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	3,812.58	10 1/2	4,080.27	10 1/2	4,335.69	10 1/2	4,573.11	10 1/2		10 1/2		10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	3,818.17	10 3/4	4,085.77	10 3/4	4,340.81	10 3/4	4,577.82	10 3/4		10 3/4		10 3/4		10 3/4		10 3/4		10 3/4	
11	3,823.76	11	4,091.26	11	4,345.92	11	4,582.52	11		11		11		11		11		11	
11 1/4	3,829.35	11 1/4	4,096.75	11 1/4	4,351.04	11 1/4	4,587.23	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	3,834.94	11 1/2	4,102.21	11 1/2	4,356.12	11 1/2	4,591.90	11 1/2		11 1/2		11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	3,840.53	11 3/4	4,107.67	11 3/4	4,361.21	11 3/4	4,596.58	11 3/4		11 3/4		11 3/4		11 3/4		11 3/4		11 3/4	
12	3,846.12	12	4,113.13	12	4,366.30	12	4,601.25	12		12		12		12		12		12	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/28/2024 JS
CALCULATED: 08/28/2024 CL
PRINTED: 08/28/2024 BW
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/28/24

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2082

Portland, Texas 77568



BARGE "EMS 530"

FUEL TANK

CAPACITIES GIVEN IN WHOLE GALLONS

INNAGE TABLE
GAUGE HEIGHT: 5'-03"

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	193	0	386	0	579	0	772	0		0		0		0		0	
1/4	4	1/4	197	1/4	390	1/4	583	1/4	776	1/4		1/4		1/4		1/4		1/4	
1/2	8	1/2	201	1/2	394	1/2	587	1/2	780	1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	205	3/4	398	3/4	591	3/4	784	3/4		3/4		3/4		3/4		3/4	
1	16	1	209	1	402	1	595	1	788	1		1		1		1		1	
1 1/4	20	1 1/4	213	1 1/4	406	1 1/4	599	1 1/4	792	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	24	1 1/2	217	1 1/2	410	1 1/2	603	1 1/2	796	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	28	3/4	221	3/4	414	3/4	607	3/4	800	3/4		3/4		3/4		3/4		3/4	
2	32	2	225	2	418	2	611	2	804	2		2		2		2		2	
1 1/4	36	1 1/4	229	1 1/4	422	1 1/4	615	1 1/4	808	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	40	1 1/2	233	1 1/2	426	1 1/2	619	1 1/2	812	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	44	3/4	237	3/4	430	3/4	623	3/4	816	3/4		3/4		3/4		3/4		3/4	
3	48	3	241	3	434	3	627	3	820	3		3		3		3		3	
1 1/4	52	1 1/4	245	1 1/4	438	1 1/4	631	1 1/4	824	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	56	1 1/2	249	1 1/2	442	1 1/2	635	1 1/2	828	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	60	3/4	253	3/4	446	3/4	639	3/4	832	3/4		3/4		3/4		3/4		3/4	
4	64	4	257	4	450	4	643	4	836	4		4		4		4		4	
1 1/4	68	1 1/4	261	1 1/4	454	1 1/4	647	1 1/4	840	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	72	1 1/2	265	1 1/2	458	1 1/2	651	1 1/2	844	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	76	3/4	269	3/4	462	3/4	655	3/4	848	3/4		3/4		3/4		3/4		3/4	
5	80	5	273	5	466	5	659	5	852	5		5		5		5		5	
1 1/4	84	1 1/4	277	1 1/4	470	1 1/4	663	1 1/4	856	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	88	1 1/2	281	1 1/2	474	1 1/2	667	1 1/2	860	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	92	3/4	285	3/4	478	3/4	671	3/4	864	3/4		3/4		3/4		3/4		3/4	
6	96	6	289	6	482	6	675	6	868	6		6		6		6		6	
1 1/4	100	1 1/4	293	1 1/4	486	1 1/4	679	1 1/4	872	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	104	1 1/2	297	1 1/2	490	1 1/2	683	1 1/2	876	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	108	3/4	301	3/4	494	3/4	687	3/4	880	3/4		3/4		3/4		3/4		3/4	
7	112	7	305	7	498	7	691	7	884	7		7		7		7		7	
1 1/4	116	1 1/4	309	1 1/4	502	1 1/4	695	1 1/4	888	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	120	1 1/2	313	1 1/2	506	1 1/2	699	1 1/2	892	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	124	3/4	317	3/4	510	3/4	703	3/4	896	3/4		3/4		3/4		3/4		3/4	
8	128	8	321	8	514	8	707	8	900	8		8		8		8		8	
1 1/4	132	1 1/4	325	1 1/4	518	1 1/4	711	1 1/4	904	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	136	1 1/2	329	1 1/2	522	1 1/2	715	1 1/2	908	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	140	3/4	333	3/4	526	3/4	719	3/4	912	3/4		3/4		3/4		3/4		3/4	
9	144	9	337	9	530	9	723	9		9		9		9		9		9	
1 1/4	148	1 1/4	341	1 1/4	534	1 1/4	727	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	152	1 1/2	345	1 1/2	538	1 1/2	731	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	156	3/4	349	3/4	542	3/4	735	3/4		3/4		3/4		3/4		3/4		3/4	
10	160	10	353	10	546	10	739	10		10		10		10		10		10	
1 1/4	164	1 1/4	357	1 1/4	550	1 1/4	743	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	168	1 1/2	361	1 1/2	554	1 1/2	747	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	172	3/4	365	3/4	558	3/4	751	3/4		3/4		3/4		3/4		3/4		3/4	
11	176	11	369	11	562	11	755	11		11		11		11		11		11	
1 1/4	180	1 1/4	373	1 1/4	566	1 1/4	759	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	184	1 1/2	377	1 1/2	570	1 1/2	763	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	188	3/4	381	3/4	574	3/4	767	3/4		3/4		3/4		3/4		3/4		3/4	

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE IS SCALED FROM THE BOTTOM HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" PIPE.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SH
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/20/24

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2062

Pearland, Texas 77585

Paul Johnson



BARGE "EMS 530"

PORT SLOP

CAPACITIES GIVEN IN WHOLE GALLONS

INNAGE TABLE
GAUGE HEIGHT: 5'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	1	IN	2	IN	3	IN	4	IN	5	IN	6	IN	7	IN	8	IN	9
0	0	0	1,053	0	2,107	0	3,144	0	4,130	0		0							
1/4	22	1/4	1,075	1/4	2,129	1/4	3,165	1/4	4,150	1/4		1/4						1/4	
1/2	44	1/2	1,097	1/2	2,151	1/2	3,186	1/2	4,170	1/2		1/2						1/2	
3/4	66	3/4	1,119	3/4	2,173	3/4	3,207	3/4	4,190	3/4		3/4						3/4	
1	88	1	1,141	1	2,195	1	3,228	1	4,210	1		1						1	
1/4	110	1/4	1,163	1/4	2,217	1/4	3,249	1/4	4,230	1/4		1/4						1/4	
1/2	132	1/2	1,185	1/2	2,239	1/2	3,270	1/2	4,250	1/2		1/2						1/2	
3/4	154	3/4	1,207	3/4	2,261	3/4	3,291	3/4	4,270	3/4		3/4						3/4	
2	176	2	1,229	2	2,282	2	3,312	2	4,290	2		2						2	
1/4	198	1/4	1,251	1/4	2,304	1/4	3,333	1/4	4,309	1/4		1/4						1/4	
1/2	219	1/2	1,273	1/2	2,326	1/2	3,354	1/2	4,328	1/2		1/2						1/2	
3/4	241	3/4	1,295	3/4	2,348	3/4	3,375	3/4	4,348	3/4		3/4						3/4	
3	263	3	1,317	3	2,370	3	3,396	3	4,368	3		3						3	
1/4	285	1/4	1,339	1/4	2,392	1/4	3,417	1/4	4,387	1/4		1/4						1/4	
1/2	307	1/2	1,361	1/2	2,414	1/2	3,437	1/2	4,405	1/2		1/2						1/2	
3/4	329	3/4	1,383	3/4	2,436	3/4	3,458	3/4	4,424	3/4		3/4						3/4	
4	351	4	1,405	4	2,458	4	3,479	4	4,443	4		4						4	
1/4	373	1/4	1,427	1/4	2,479	1/4	3,500	1/4	4,461	1/4		1/4						1/4	
1/2	395	1/2	1,449	1/2	2,501	1/2	3,520	1/2	4,480	1/2		1/2						1/2	
3/4	417	3/4	1,470	3/4	2,523	3/4	3,541	3/4	4,499	3/4		3/4						3/4	
5	439	5	1,492	5	2,545	5	3,562	5	4,517	5		5						5	
1/4	461	1/4	1,514	1/4	2,566	1/4	3,582	1/4	4,536	1/4		1/4						1/4	
1/2	483	1/2	1,536	1/2	2,588	1/2	3,603	1/2	4,554	1/2		1/2						1/2	
3/4	505	3/4	1,558	3/4	2,610	3/4	3,624	3/4	4,573	3/4		3/4						3/4	
6	527	6	1,580	6	2,631	6	3,644	6	4,591	6		6						6	
1/4	549	1/4	1,602	1/4	2,653	1/4	3,665	1/4	4,610	1/4		1/4						1/4	
1/2	571	1/2	1,624	1/2	2,675	1/2	3,685	1/2	4,628	1/2		1/2						1/2	
3/4	593	3/4	1,646	3/4	2,696	3/4	3,706	3/4	4,647	3/4		3/4						3/4	
7	615	7	1,668	7	2,718	7	3,726	7	4,665	7		7						7	
1/4	636	1/4	1,690	1/4	2,739	1/4	3,747	1/4	4,684	1/4		1/4						1/4	
1/2	658	1/2	1,712	1/2	2,761	1/2	3,767	1/2	4,702	1/2		1/2						1/2	
3/4	680	3/4	1,734	3/4	2,782	3/4	3,787	3/4	4,720	3/4		3/4						3/4	
8	702	8	1,756	8	2,804	8	3,808	8	4,739	8		8						8	
1/4	724	1/4	1,778	1/4	2,825	1/4	3,828	1/4	4,757	1/4		1/4						1/4	
1/2	746	1/2	1,800	1/2	2,846	1/2	3,848	1/2	4,776	1/2		1/2						1/2	
3/4	768	3/4	1,822	3/4	2,868	3/4	3,869	3/4	4,795	3/4		3/4						3/4	
9	790	9	1,844	9	2,889	9	3,889	9		9		9						9	
1/4	812	1/4	1,865	1/4	2,911	1/4	3,909	1/4		1/4		1/4						1/4	
1/2	834	1/2	1,887	1/2	2,932	1/2	3,929	1/2		1/2		1/2						1/2	
3/4	856	3/4	1,909	3/4	2,953	3/4	3,950	3/4		3/4		3/4						3/4	
10	878	10	1,931	10	2,975	10	3,970	10		10		10						10	
1/4	900	1/4	1,953	1/4	2,996	1/4	3,990	1/4		1/4		1/4						1/4	
1/2	922	1/2	1,975	1/2	3,017	1/2	4,010	1/2		1/2		1/2						1/2	
3/4	944	3/4	1,997	3/4	3,038	3/4	4,030	3/4		3/4		3/4						3/4	
11	966	11	2,019	11	3,060	11	4,050	11		11		11						11	
1/4	988	1/4	2,041	1/4	3,081	1/4	4,070	1/4		1/4		1/4						1/4	
1/2	1,010	1/2	2,063	1/2	3,102	1/2	4,090	1/2		1/2		1/2						1/2	
3/4	1,032	3/4	2,085	3/4	3,123	3/4	4,110	3/4		3/4		3/4						3/4	

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" PPE.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 BV
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pasadena, Texas 77358

Paul J. Parnell



BARGE "EMS 530"

STBD SLOP

INNAGE TABLE GAUGE HEIGHT: 5'-08 1/2"

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,053	0	2,107	0	3,144	0	4,130	0	0	0	0	0	0	0	0	0	0
1/4	22	1/4	1,075	1/4	2,129	1/4	3,165	1/4	4,150	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	44	1/2	1,097	1/2	2,151	1/2	3,186	1/2	4,170	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66	3/4	1,119	3/4	2,173	3/4	3,207	3/4	4,190	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	88	1	1,141	1	2,195	1	3,228	1	4,210	1	1	1	1	1	1	1	1	1	1
1 1/4	110	1 1/4	1,163	1 1/4	2,217	1 1/4	3,249	1 1/4	4,230	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	132	1 1/2	1,185	1 1/2	2,239	1 1/2	3,270	1 1/2	4,250	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	154	1 3/4	1,207	1 3/4	2,261	1 3/4	3,291	1 3/4	4,270	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	176	2	1,229	2	2,282	2	3,312	2	4,290	2	2	2	2	2	2	2	2	2	2
1/4	198	1/4	1,251	1/4	2,304	1/4	3,333	1/4	4,309	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	219	1/2	1,273	1/2	2,326	1/2	3,354	1/2	4,329	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	241	3/4	1,295	3/4	2,348	3/4	3,375	3/4	4,348	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	263	1	1,317	1	2,370	1	3,396	1	4,368	1	1	1	1	1	1	1	1	1	1
1 1/4	285	1 1/4	1,339	1 1/4	2,392	1 1/4	3,417	1 1/4	4,387	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	307	1 1/2	1,361	1 1/2	2,414	1 1/2	3,437	1 1/2	4,405	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	329	1 3/4	1,383	1 3/4	2,436	1 3/4	3,458	1 3/4	4,424	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	351	2	1,405	2	2,458	2	3,479	2	4,443	2	2	2	2	2	2	2	2	2	2
1/4	373	1/4	1,427	1/4	2,479	1/4	3,500	1/4	4,461	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	395	1/2	1,449	1/2	2,501	1/2	3,520	1/2	4,480	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	417	3/4	1,470	3/4	2,523	3/4	3,541	3/4	4,499	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	439	1	1,492	1	2,546	1	3,562	1	4,517	1	1	1	1	1	1	1	1	1	1
1 1/4	461	1 1/4	1,514	1 1/4	2,568	1 1/4	3,582	1 1/4	4,536	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	483	1 1/2	1,536	1 1/2	2,588	1 1/2	3,603	1 1/2	4,554	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	505	1 3/4	1,558	1 3/4	2,610	1 3/4	3,624	1 3/4	4,573	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	527	2	1,580	2	2,631	2	3,644	2	4,591	2	2	2	2	2	2	2	2	2	2
1/4	549	1/4	1,602	1/4	2,653	1/4	3,665	1/4	4,610	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	571	1/2	1,624	1/2	2,675	1/2	3,685	1/2	4,628	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	593	3/4	1,646	3/4	2,696	3/4	3,706	3/4	4,647	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	615	1	1,668	1	2,718	1	3,726	1	4,665	1	1	1	1	1	1	1	1	1	1
1 1/4	636	1 1/4	1,690	1 1/4	2,739	1 1/4	3,747	1 1/4	4,684	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	658	1 1/2	1,712	1 1/2	2,761	1 1/2	3,767	1 1/2	4,702	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	680	1 3/4	1,734	1 3/4	2,782	1 3/4	3,787	1 3/4	4,720	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	702	2	1,756	2	2,804	2	3,808	2	4,739	2	2	2	2	2	2	2	2	2	2
1/4	724	1/4	1,778	1/4	2,825	1/4	3,828	1/4	4,757	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	746	1/2	1,800	1/2	2,846	1/2	3,848	1/2	4,776	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	769	3/4	1,822	3/4	2,868	3/4	3,869	3/4	4,795	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	790	1	1,844	1	2,889	1	3,889	1	4,814	1	1	1	1	1	1	1	1	1	1
1 1/4	812	1 1/4	1,865	1 1/4	2,911	1 1/4	3,909	1 1/4	4,833	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	834	1 1/2	1,887	1 1/2	2,932	1 1/2	3,929	1 1/2	4,852	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	856	1 3/4	1,909	1 3/4	2,953	1 3/4	3,950	1 3/4	4,871	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	878	2	1,931	2	2,975	2	3,970	2	4,890	2	2	2	2	2	2	2	2	2	2
1/4	900	1/4	1,953	1/4	2,996	1/4	3,990	1/4	4,909	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	922	1/2	1,975	1/2	3,017	1/2	4,010	1/2	4,928	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	944	3/4	1,997	3/4	3,038	3/4	4,030	3/4	4,947	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	966	1	2,019	1	3,060	1	4,050	1	4,966	1	1	1	1	1	1	1	1	1	1
1 1/4	988	1 1/4	2,041	1 1/4	3,081	1 1/4	4,070	1 1/4	4,985	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,010	1 1/2	2,063	1 1/2	3,102	1 1/2	4,090	1 1/2	5,004	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1,032	1 3/4	2,085	1 3/4	3,123	1 3/4	4,110	1 3/4	5,023	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK.
CAPACITY TABLE ONLY APPLIES TO RINAGE GAUGES TAKEN TO TOP OF 2" PIPE.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SW
CANCEL S AND SUPERCEDES
ALL PRIOR TO 08/20/24

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2002
Peele, Texas 77569

Paul Brown



BARGE "EMS 530"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 236'-09"

August 26, 2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77586

<http://www.pmacorp.net>



1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
ID	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	4,581.52	0	4,283.80	0	3,915.93	0	3,651.55	0	3,320.82	0	2,980.09	0	2,652.35	0	2,328.62	0	1,997.87	0	1,670.97
1	1	4,576.74	1	4,277.54	1	3,969.32	1	3,644.66	1	3,313.93	1	2,989.20	1	2,652.48	1	2,321.73	1	1,990.98	1	1,666.98
2	2	4,571.95	2	4,271.28	2	3,962.70	2	3,637.77	2	3,307.04	2	2,976.31	2	2,646.57	2	2,314.04	2	1,984.06	2	1,661.98
3	3	4,567.17	3	4,266.02	3	3,956.09	3	3,630.88	3	3,300.15	3	2,969.42	3	2,639.68	3	2,307.95	3	1,977.19	3	1,656.99
4	4	4,562.39	4	4,258.76	4	3,949.47	4	3,623.99	4	3,293.26	4	2,962.53	4	2,631.79	4	2,301.05	4	1,970.30	4	1,651.99
5	5	4,556.32	5	4,252.47	5	3,942.83	5	3,617.10	5	3,286.37	5	2,955.64	5	2,624.80	5	2,294.16	5	1,963.40	5	1,646.99
6	6	4,550.24	6	4,246.18	6	3,936.18	6	3,610.21	6	3,279.48	6	2,948.75	6	2,618.01	6	2,287.27	6	1,956.51	6	1,641.99
7	7	4,544.17	7	4,239.65	7	3,929.56	7	3,603.32	7	3,272.59	7	2,941.86	7	2,611.12	7	2,280.38	7	1,949.62	7	1,636.99
8	8	4,538.09	8	4,233.80	8	3,922.90	8	3,596.43	8	3,265.70	8	2,934.96	8	2,604.23	8	2,273.49	8	1,942.73	8	1,631.99
9	9	4,531.93	9	4,227.28	9	3,916.24	9	3,589.54	9	3,259.81	9	2,928.07	9	2,597.34	9	2,266.80	9	1,935.83	9	1,626.99
10	10	4,524.96	10	4,220.98	10	3,909.57	10	3,582.65	10	3,251.92	10	2,921.18	10	2,590.45	10	2,259.71	10	1,928.94	10	1,621.99
11	11	4,517.80	11	4,214.86	11	3,902.80	11	3,575.78	11	3,245.03	11	2,914.29	11	2,583.56	11	2,252.82	11	1,922.05	11	1,616.99
12	12	4,511.03	12	4,208.35	12	3,896.23	12	3,568.87	12	3,238.14	12	2,907.40	12	2,576.67	12	2,245.93	12	1,915.15	12	1,611.99
13	13	4,504.18	13	4,202.01	13	3,889.54	13	3,561.98	13	3,231.25	13	2,900.51	13	2,569.78	13	2,239.04	13	1,908.26	13	1,606.99
14	14	4,497.33	14	4,195.67	14	3,882.85	14	3,555.09	14	3,224.36	14	2,893.62	14	2,562.89	14	2,232.15	14	1,901.37	14	1,601.99
15	15	4,490.48	15	4,189.33	15	3,876.16	15	3,548.20	15	3,217.47	15	2,886.73	15	2,556.00	15	2,225.26	15	1,894.47	15	1,596.99
16	16	4,483.63	16	4,182.89	16	3,869.46	16	3,541.31	16	3,210.58	16	2,879.84	16	2,549.11	16	2,218.37	16	1,887.58	16	1,591.99
17	17	4,476.97	17	4,176.62	17	3,862.74	17	3,534.42	17	3,203.69	17	2,872.95	17	2,542.22	17	2,211.48	17	1,880.69	17	1,586.99
18	18	4,470.32	18	4,170.25	18	3,856.02	18	3,527.53	18	3,196.80	18	2,866.06	18	2,535.33	18	2,204.59				

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NFPA 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 LP OF 2" DIAMETER "THERMATIC" VALVE. GAUGE POINT: (THERMATIC) LOCATED 19'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BUL RHED.

VERIFIED CHAR! FOR THE ABOVE NAMED IANK ONLY

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2192
Portland, Maine 07601

Ch. Jones



BARGE "EMS 530"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/2	1,667.01	1/4	1,336.14	1/2	1,005.63	1/4	869.94	1/2	397.54	1/4	127.14	1/2		1/4		1/2		1/4	
3/4	1,660.11	1/2	1,322.36	3/4	998.84	1/2	883.64	3/4	391.69	1/2	121.76	3/4		1/2		1/4		1/2	
1	1,653.22	3/4	1,308.57	1	984.45	3/4	869.25	1	385.84	3/4	116.38	1		3/4		1/2		3/4	
1 1/4	1,646.33	1	1,294.78	1 1/4	970.43	1	854.74	1 1/4	374.14	1	105.62	1 1/4		1		3/4		1	
1 1/2	1,639.43	1 1/4	1,280.99	1 1/2	956.19	1 1/4	840.48	1 1/2	363.32	1 1/4	100.28	1 1/2		1 1/4		1		1 1/4	
1 3/4	1,632.54	1 1/2	1,267.21	1 3/4	941.72	1 1/2	826.25	1 3/4	352.08	1 1/2	94.94	1 3/4		1 1/2		1 1/4		1 1/2	
2	1,625.65	3/4	1,253.43	2	926.57	3/4	811.21	2	340.89	3/4	89.50	2		3/4		1 1/2		2	
2 1/4	1,618.75	1	1,239.64	2 1/4	906.64	1	796.86	2 1/4	329.12	1	84.26	2 1/4		1		1 1/2		2 1/4	
2 1/2	1,611.86	1 1/4	1,225.85	2 1/2	891.86	1 1/4	782.44	2 1/2	316.35	1 1/4	79.86	2 1/2		1 1/4		1 1/2		2 1/2	
2 3/4	1,604.97	1 1/2	1,212.07	2 3/4	877.95	1 1/2	768.07	2 3/4	304.00	1 1/2	73.66	2 3/4		1 1/2		1 1/4		2 3/4	
3	1,598.08	3/4	1,198.28	3	864.31	3/4	753.83	3	289.21	3/4	68.36	3		3/4		1 1/4		3	
3 1/4	1,591.18	1	1,184.52	3 1/4	849.92	1	739.40	3 1/4	276.49	1	63.06	3 1/4		1		1 1/4		3 1/4	
3 1/2	1,584.28	1 1/4	1,170.71	3 1/2	835.36	1 1/4	725.03	3 1/2	263.83	1 1/4	57.80	3 1/2		1 1/4		1 1/2		3 1/2	
3 3/4	1,577.40	1 1/2	1,156.92	3 3/4	820.80	1 1/2	710.81	3 3/4	250.53	1 1/2	52.43	3 3/4		1 1/2		1 1/4		3 3/4	
4	1,570.50	3/4	1,143.14	4	806.65	3/4	696.25	4	237.07	3/4	47.08	4		3/4		1 1/2		4	
4 1/4	1,563.61	1	1,129.35	4 1/4	792.61	1	681.86	4 1/4	223.50	1	41.72	4 1/4		1		1 1/2		4 1/4	
4 1/2	1,556.72	1 1/4	1,115.57	4 1/2	778.13	1 1/4	667.47	4 1/2	209.23	1 1/4	36.37	4 1/2		1 1/4		1 1/4		4 1/2	
4 3/4	1,549.82	1 1/2	1,101.78	4 3/4	763.69	1 1/2	653.03	4 3/4	195.16	1 1/2	31.01	4 3/4		1 1/4		1 1/4		4 3/4	
5	1,542.93	3/4	1,087.99	5	749.37	3/4	638.69	5	181.83	3/4	25.65	5		3/4		1 1/4		5	
5 1/4	1,536.04	1	1,074.22	5 1/4	734.53	1	624.25	5 1/4	168.18	1	20.29	5 1/4		1		1 1/4		5 1/4	
5 1/2	1,529.15	1 1/4	1,060.43	5 1/2	719.65	1 1/4	609.81	5 1/2	154.27	1 1/4	14.93	5 1/2		1 1/4		1 1/2		5 1/2	
5 3/4	1,522.25	1 1/2	1,046.64	5 3/4	705.17	1 1/2	595.36	5 3/4	140.39	1 1/2	9.57	5 3/4		1 1/2		1 1/4		5 3/4	
6	1,515.36	3/4	1,032.85	6	690.64	3/4	580.92	6	126.50	3/4	4.21	6		3/4		1 1/2		6	
6 1/4	1,508.47	1	1,019.06	6 1/4	676.16	1	566.48	6 1/4	112.62	1	-0.14	6 1/4		1		1 1/2		6 1/4	
6 1/2	1,501.57	1 1/4	1,005.27	6 1/2	661.68	1 1/4	552.04	6 1/2	98.73	1 1/4		6 1/2		1 1/4		1 1/2		6 1/2	
6 3/4	1,494.68	1 1/2	991.48	6 3/4	647.20	1 1/2	537.59	6 3/4	84.84	1 1/2		6 3/4		1 1/4		1 1/2		6 3/4	
7	1,487.79	3/4	977.69	7	632.72	3/4	523.15	7	70.95	3/4		7		3/4		1 1/2		7	
7 1/4	1,480.89	1	963.90	7 1/4	618.25	1	508.70	7 1/4	57.06	1		7 1/4		1		1 1/2		7 1/4	
7 1/2	1,474.00	1 1/4	950.11	7 1/2	603.77	1 1/4	494.22	7 1/2	43.17	1 1/4		7 1/2		1 1/4		1 1/2		7 1/2	
7 3/4	1,467.11	1 1/2	936.32	7 3/4	589.28	1 1/2	479.73	7 3/4	29.28	1 1/2		7 3/4		1 1/4		1 1/2		7 3/4	
8	1,460.22	3/4	922.53	8	574.79	3/4	465.24	8	15.39	3/4		8		3/4		1 1/2		8	
8 1/4	1,453.32	1	908.74	8 1/4	560.30	1	450.75	8 1/4	1.50	1		8 1/4		1		1 1/2		8 1/4	
8 1/2	1,446.43	1 1/4	894.95	8 1/2	545.81	1 1/4	436.26	8 1/2		1 1/4		8 1/2		1 1/4		1 1/2		8 1/2	
8 3/4	1,439.54	1 1/2	881.16	8 3/4	531.32	1 1/2	421.77	8 3/4		1 1/2		8 3/4		1 1/4		1 1/2		8 3/4	
9	1,432.64	3/4	867.37	9	516.83	3/4	407.28	9		3/4		9		3/4		1 1/2		9	
9 1/4	1,425.75	1	853.58	9 1/4	502.34	1	392.79	9 1/4		1		9 1/4		1		1 1/2		9 1/4	
9 1/2	1,418.86	1 1/4	839.79	9 1/2	487.85	1 1/4	378.30	9 1/2		1 1/4		9 1/2		1 1/4		1 1/2		9 1/2	
9 3/4	1,411.96	1 1/2	825.99	9 3/4	473.36	1 1/2	363.81	9 3/4		1 1/2		9 3/4		1 1/4		1 1/2		9 3/4	
10	1,405.07	3/4	812.17	10	458.87	3/4	349.32	10		3/4		10		3/4		1 1/2		10	
10 1/4	1,398.18	1	798.38	10 1/4	444.38	1	334.83	10 1/4		1		10 1/4		1		1 1/2		10 1/4	
10 1/2	1,391.29	1 1/4	784.59	10 1/2	429.89	1 1/4	320.34	10 1/2		1 1/4		10 1/2		1 1/4		1 1/2		10 1/2	
10 3/4	1,384.39	1 1/2	770.80	10 3/4	415.40	1 1/2	305.85	10 3/4		1 1/2		10 3/4		1 1/4		1 1/2		10 3/4	
11	1,377.50	3/4	756.41	11	400.91	3/4	291.36	11		3/4		11		3/4		1 1/2		11	
11 1/4	1,370.61	1	742.02	11 1/4	386.42	1	276.87	11 1/4		1		11 1/4		1		1 1/2		11 1/4	
11 1/2	1,363.71	1 1/4	727.63	11 1/2	371.93	1 1/4	262.38	11 1/2		1 1/4		11 1/2		1 1/4		1 1/2		11 1/2	
11 3/4	1,356.82	1 1/2	713.24	11 3/4	357.44	1 1/2	247.89	11 3/4		1 1/2		11 3/4		1 1/4		1 1/2		11 3/4	
12	1,349.93	3/4	698.85	12	342.95	3/4	233.40	12		3/4		12		3/4		1 1/2		12	
12 1/4	1,343.03	1	684.36	12 1/4	328.46	1	218.91	12 1/4		1		12 1/4		1		1 1/2		12 1/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2024

PRECISION MEASUREMENT

P.O. Box 2082
Pearland, Texas 77668



BARGE "EMS 530"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0					4,300.06	0	3,992.58	0	3,688.41	0	3,337.31	0	3,006.20	0	2,675.08	0	2,343.96	0	2,012.83
1/4	1/4	1/4		1/4	4,293.82	1/4	3,985.98	1/4	3,681.52	1/4	3,330.41	1/4	2,999.30	1/4	2,668.18	1/4	2,337.06	1/4	2,005.93
1/2	1/2	1/2		1/2	4,287.58	1/2	3,979.37	1/2	3,674.63	1/2	3,325.61	1/2	2,995.40	1/2	2,664.28	1/2	2,333.16	1/2	1,999.03
3/4	3/4	3/4		3/4	4,281.31	3/4	3,972.74	3/4	3,667.73	3/4	3,318.61	3/4	2,991.50	3/4	2,661.38	3/4	2,328.26	3/4	1,995.23
1	1	1		1	4,275.04	1	3,966.12	1	3,660.83	1	3,309.72	1	2,978.00	1	2,647.48	1	2,316.37	1	1,985.23
1 1/4	1 1/4	1 1/4		1 1/4	4,268.77	1 1/4	3,959.50	1 1/4	3,653.93	1 1/4	3,302.92	1 1/4	2,971.70	1 1/4	2,640.59	1 1/4	2,309.47	1 1/4	1,978.33
1 1/2	1 1/2	1 1/2		1 1/2	4,262.50	1 1/2	3,952.87	1 1/2	3,647.03	1 1/2	3,295.92	1 1/2	2,964.81	1 1/2	2,633.69	1 1/2	2,302.67	1 1/2	1,971.43
1 3/4	1 3/4	1 3/4		1 3/4	4,256.21	1 3/4	3,946.23	1 3/4	3,640.14	1 3/4	3,288.02	1 3/4	2,957.91	1 3/4	2,626.79	1 3/4	2,295.07	1 3/4	1,964.52
2	2	2		2	4,249.91	2	3,939.58	2	3,633.24	2	3,282.12	2	2,951.01	2	2,619.89	2	2,288.77	2	1,957.62
2 1/4	2 1/4	2 1/4		2 1/4	4,243.62	2 1/4	3,932.93	2 1/4	3,626.34	2 1/4	3,275.23	2 1/4	2,944.11	2 1/4	2,612.99	2 1/4	2,281.87	2 1/4	1,950.72
2 1/2	2 1/2	2 1/2		2 1/2	4,237.32	2 1/2	3,926.28	2 1/2	3,599.44	2 1/2	3,268.33	2 1/2	2,937.21	2 1/2	2,606.09	2 1/2	2,274.98	2 1/2	1,943.82
2 3/4	2 3/4	2 3/4		2 3/4	4,231.00	2 3/4	3,919.60	2 3/4	3,592.54	2 3/4	3,261.43	2 3/4	2,930.31	2 3/4	2,599.20	2 3/4	2,268.08	2 3/4	1,936.92
3	3	3		3	4,224.68	3	3,912.93	3	3,585.64	3	3,254.53	3	2,923.42	3	2,592.30	3	2,261.18	3	1,930.02
3 1/4	3 1/4	3 1/4		3 1/4	4,218.36	3 1/4	3,906.25	3 1/4	3,578.75	3 1/4	3,247.63	3 1/4	2,916.52	3 1/4	2,585.40	3 1/4	2,254.28	3 1/4	1,923.12
3 1/2	3 1/2	3 1/2		3 1/2	4,212.04	3 1/2	3,899.58	3 1/2	3,571.85	3 1/2	3,240.73	3 1/2	2,909.82	3 1/2	2,578.50	3 1/2	2,247.38	3 1/2	1,916.22
3 3/4	3 3/4	3 3/4		3 3/4	4,205.69	3 3/4	3,892.87	3 3/4	3,564.95	3 3/4	3,233.84	3 3/4	2,902.72	3 3/4	2,571.00	3 3/4	2,240.48	3 3/4	1,909.32
4	4	4		4	4,199.34	4	3,886.17	4	3,558.05	4	3,226.94	4	2,895.82	4	2,564.70	4	2,233.59	4	1,902.42
4 1/4	4 1/4	4 1/4		4 1/4	4,193.00	4 1/4	3,879.47	4 1/4	3,551.15	4 1/4	3,220.04	4 1/4	2,888.82	4 1/4	2,557.81	4 1/4	2,226.69	4 1/4	1,895.52
4 1/2	4 1/2	4 1/2		4 1/2	4,186.65	4 1/2	3,872.77	4 1/2	3,544.25	4 1/2	3,213.14	4 1/2	2,882.03	4 1/2	2,550.91	4 1/2	2,219.79	4 1/2	1,888.61
4 1/4	4 1/4	4 1/4		4 1/4	4,180.28	4 1/4	3,866.04	4 1/4	3,537.36	4 1/4	3,206.24	4 1/4	2,875.13	4 1/4	2,544.01	4 1/4	2,212.89	4 1/4	1,881.71
5	5	5		5	4,173.90	5	3,859.31	5	3,530.46	5	3,199.34	5	2,868.23	5	2,537.11	5	2,205.99	5	1,874.81
5 1/4	5 1/4	5 1/4		5 1/4	4,167.53	5 1/4	3,852.59	5 1/4	3,523.56	5 1/4	3,192.45	5 1/4	2,861.33	5 1/4	2,530.21	5 1/4	2,199.09	5 1/4	1,867.91
5 1/2	5 1/2	5 1/2		5 1/2	4,161.16	5 1/2	3,845.86	5 1/2	3,516.66	5 1/2	3,185.55	5 1/2	2,854.43	5 1/2	2,523.31	5 1/2	2,192.20	5 1/2	1,861.01
5 3/4	5 3/4	5 3/4		5 3/4	4,154.76	5 3/4	3,838.11	5 3/4	3,509.76	5 3/4	3,178.65	5 3/4	2,847.33	5 3/4	2,516.42	5 3/4	2,185.30	5 3/4	1,854.11
6	6	6		6	4,148.39	6	3,831.35	6	3,495.97	6	3,171.75	6	2,840.64	6	2,509.52	6	2,178.40	6	1,847.21
6 1/4	6 1/4	6 1/4		6 1/4	4,141.96	6 1/4	3,825.60	6 1/4	3,489.07	6 1/4	3,164.85	6 1/4	2,833.74	6 1/4	2,502.62	6 1/4	2,171.50	6 1/4	1,840.31
6 1/2	6 1/2	6 1/2		6 1/2	4,135.58	6 1/2	3,818.84	6 1/2	3,482.12	6 1/2	3,157.96	6 1/2	2,826.84	6 1/2	2,495.72	6 1/2	2,164.60	6 1/2	1,833.41
6 3/4	6 3/4	6 3/4		6 3/4	4,129.13	6 3/4	3,812.06	6 3/4	3,475.27	6 3/4	3,151.06	6 3/4	2,819.94	6 3/4	2,488.82	6 3/4	2,157.70	6 3/4	1,826.51
7	7	7		7	4,122.71	7	3,805.28	7	3,468.37	7	3,144.16	7	2,813.04	7	2,481.82	7	2,150.81	7	1,819.61
7 1/4	7 1/4	7 1/4		7 1/4	4,116.28	7 1/4	3,798.50	7 1/4	3,461.46	7 1/4	3,137.26	7 1/4	2,806.14	7 1/4	2,475.03	7 1/4	2,143.91	7 1/4	1,812.70
7 1/2	7 1/2	7 1/2		7 1/2	4,109.85	7 1/2	3,791.72	7 1/2	3,454.58	7 1/2	3,130.36	7 1/2	2,799.25	7 1/2	2,468.13	7 1/2	2,137.01	7 1/2	1,805.80
7 3/4	7 3/4	7 3/4		7 3/4	4,103.40	7 3/4	3,784.92	7 3/4	3,447.68	7 3/4	3,123.46	7 3/4	2,792.35	7 3/4	2,461.23	7 3/4	2,130.11	7 3/4	1,798.90
8	8	8		8	4,096.95	8	3,778.11	8	3,440.78	8	3,116.57	8	2,785.45	8	2,454.33	8	2,123.21	8	1,792.00
8 1/4	8 1/4	8 1/4		8 1/4	4,090.50	8 1/4	3,771.30	8 1/4	3,433.88	8 1/4	3,109.67	8 1/4	2,778.35	8 1/4	2,447.43	8 1/4	2,116.31	8 1/4	1,785.10
8 1/2	8 1/2	8 1/2		8 1/2	4,084.05	8 1/2	3,764.50	8 1/2	3,426.99	8 1/2	3,102.77	8 1/2	2,771.85	8 1/2	2,440.53	8 1/2	2,109.42	8 1/2	1,778.20
8 3/4	8 3/4	8 3/4		8 3/4	4,077.57	8 3/4	3,757.66	8 3/4	3,420.08	8 3/4	3,095.97	8 3/4	2,764.75	8 3/4	2,433.64	8 3/4	2,102.52	8 3/4	1,771.30
9	9	9		9	4,071.09	9	3,750.83	9	3,413.19	9	3,088.97	9	2,757.86	9	2,426.74	9	2,095.62	9	1,764.40
9 1/4	9 1/4	9 1/4		9 1/4	4,064.61	9 1/4	3,744.00	9 1/4	3,406.28	9 1/4	3,082.08	9 1/4	2,750.96	9 1/4	2,419.84	9 1/4	2,088.72	9 1/4	1,757.50
9 1/2	9 1/2	9 1/2		9 1/2	4,058.13	9 1/2	3,737.17	9 1/2	3,399.39	9 1/2	3,075.18	9 1/2	2,744.06	9 1/2	2,412.94	9 1/2	2,081.62	9 1/2	1,750.60
9 3/4	9 3/4	9 3/4		9 3/4	4,051.61	9 3/4	3,730.31	9 3/4	3,392.48	9 3/4	3,068.28	9 3/4	2,737.16	9 3/4	2,406.04	9 3/4	2,074.83	9 3/4	1,743.70
10	10	10		10	4,045.06	10	3,723.45	10	3,385.60	10	3,061.38	10	2,730.37	10	2,399.15	10	2,067.03	10	1,736.80
10 1/4	10 1/4	10 1/4		10 1/4	4,038.58	10 1/4	3,716.59	10 1/4	3,378.70	10 1/4	3,054.48	10 1/4	2,723.27	10 1/4	2,392.25	10 1/4	2,060.13	10 1/4	1,729.89
10 1/2	10 1/2	10 1/2		10 1/2	4,032.04	10 1/2	3,709.73	10 1/2	3,371.80	10 1/2	3,047.58	10 1/2	2,716.47	10 1/2	2,385.35	10 1/2	2,047.33	10 1/2	1,722.99
10 3/4	10 3/4	10 3/4		10 3/4	4,025.46	10 3/4	3,702.85	10 3/4	3,364.80	10 3/4	3,040.69	10 3/4	2,709.67	10 3/4	2,378.45	10 3/4	2,040.43	10 3/4	1,716.09
11	11	11		11	4,018.89	11	3,695.97	11	3,358.00	11	3,033.79	11	2,702.57	11	2,371.55	11	2,033.63	11	1,709.19
11 1/4	11 1/4	11 1/4		11 1/4	4,012.32	11 1/4	3,689.09	11 1/4	3,351.11	11 1/4	3,026.89	11 1/4	2,695.77	11 1/4	2,364.05	11 1/4	2,033.63	11 1/4	1,702.29
11 1/2	11 1/2	11 1/2		11 1/2	4,005.75	11 1/2	3,682.20	11 1/2	3,344.21	11 1/2	3,019.80	11 1/2	2,688.87	11 1/2	2,357.76	11 1/2	2,026.63	11 1/2	1,695.39
11 3/4	11 3/4	11 3/4		11 3/4	3,999.16	11 3/4	3,675.31	11 3/4	3,337.42	11 3/4	3,013.08	11 3/4	2,681.98	11 3/4	2,350.86	11 3/4	2,019.73	11 3/4	1,688.49

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPM CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP UP OF 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Frederick, Texas 77565



BARGE "EMS 530"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,681.39	0	1,350.34	0	1,019.36	0	703.33	0	409.72	0	138.10	0		0				0	
1/4	1,674.69	1/4	1,343.44	1/4	1,012.63	1/4	696.98	1/4	403.82	1/4	132.67	1/4		1/4				1/4	
1/2	1,667.79	1/2	1,336.54	1/2	1,005.70	1/2	690.64	1/2	397.92	1/2	127.25	1/2		1/2				1/2	
3/4	1,660.89	3/4	1,329.64	3/4	998.92	3/4	684.33	3/4	392.07	3/4	121.87	3/4		3/4				3/4	
1	1,653.98	1	1,322.74	1	992.14	1	678.02	1	386.21	1	116.46	1		1				1	
1 1/4	1,647.08	1 1/4	1,315.84	1 1/4	985.35	1 1/4	671.71	1 1/4	380.35	1 1/4	111.10	1 1/4		1 1/4				1 1/4	
1 1/2	1,640.18	1 1/2	1,308.94	1 1/2	978.57	1 1/2	665.41	1 1/2	374.50	1 1/2	105.71	1 1/2		1 1/2				1 1/2	
3/4	1,633.28	3/4	1,302.04	3/4	971.83	3/4	659.14	3/4	368.68	3/4	100.37	3/4		3/4				3/4	
2	1,626.38	2	1,295.14	2	965.09	2	652.87	2	362.88	2	95.03	2		2				2	
1 1/4	1,619.48	1 1/4	1,288.24	1 1/4	958.35	1 1/4	646.80	1 1/4	357.04	1 1/4	89.68	1 1/4		1 1/4				1 1/4	
1 1/2	1,612.58	1 1/2	1,281.34	1 1/2	951.61	1 1/2	640.33	1 1/2	351.23	1 1/2	84.34	1 1/2		1 1/2				1 1/2	
3/4	1,605.68	3/4	1,274.43	3/4	944.90	3/4	634.10	3/4	345.45	3/4	79.03	3/4		3/4				3/4	
3	1,598.78	3	1,267.53	3	938.20	3	627.88	3	339.67	3	73.73	3		3				3	
1 1/4	1,591.88	1 1/4	1,260.63	1 1/4	931.50	1 1/4	621.65	1 1/4	333.90	1 1/4	68.42	1 1/4		1 1/4				1 1/4	
1 1/2	1,584.98	1 1/2	1,253.73	1 1/2	924.80	1 1/2	615.42	1 1/2	328.12	1 1/2	63.12	1 1/2		1 1/2				1 1/2	
3/4	1,578.07	3/4	1,246.83	3/4	918.13	3/4	609.23	3/4	322.39	3/4	57.86	3/4		3/4				3/4	
4	1,571.17	4	1,239.93	4	911.47	4	603.04	4	316.65	4	52.59	4		4				4	
1 1/4	1,564.27	1 1/4	1,233.03	1 1/4	904.81	1 1/4	596.85	1 1/4	310.92	1 1/4	47.32	1 1/4		1 1/4				1 1/4	
1 1/2	1,557.37	1 1/2	1,226.13	1 1/2	898.15	1 1/2	590.66	1 1/2	305.19	1 1/2	42.05	1 1/2		1 1/2				1 1/2	
3/4	1,550.47	3/4	1,219.23	3/4	891.52	3/4	584.51	3/4	299.49	3/4	37.40	3/4		3/4				3/4	
5	1,543.57	5	1,212.33	5	884.80	5	578.36	5	293.80	5	32.75	5		5				5	
1 1/4	1,536.67	1 1/4	1,205.43	1 1/4	878.28	1 1/4	572.21	1 1/4	288.10	1 1/4	28.10	1 1/4		1 1/4				1 1/4	
1 1/2	1,529.77	1 1/2	1,198.52	1 1/2	871.65	1 1/2	566.06	1 1/2	282.41	1 1/2	23.45	1 1/2		1 1/2				1 1/2	
3/4	1,522.87	3/4	1,191.62	3/4	865.07	3/4	559.96	3/4	276.75	3/4	20.12	3/4		3/4				3/4	
6	1,515.97	6	1,184.72	6	858.48	6	553.85	6	271.09	6	16.80	6		6				6	
1 1/4	1,509.07	1 1/4	1,177.82	1 1/4	851.90	1 1/4	547.74	1 1/4	265.43	1 1/4	13.47	1 1/4		1 1/4				1 1/4	
1 1/2	1,502.16	1 1/2	1,170.92	1 1/2	845.32	1 1/2	541.63	1 1/2	259.77	1 1/2	10.15	1 1/2		1 1/2				1 1/2	
3/4	1,495.26	3/4	1,164.02	3/4	838.77	3/4	535.56	3/4	254.15	3/4		3/4		3/4				3/4	
7	1,488.36	7	1,157.12	7	832.23	7	529.48	7	248.53	7		7		7				7	
1 1/4	1,481.46	1 1/4	1,150.22	1 1/4	825.69	1 1/4	523.42	1 1/4	242.91	1 1/4		1 1/4		1 1/4				1 1/4	
1 1/2	1,474.56	1 1/2	1,143.32	1 1/2	819.14	1 1/2	517.35	1 1/2	237.29	1 1/2		1 1/2		1 1/2				1 1/2	
3/4	1,467.66	3/4	1,136.42	3/4	812.63	3/4	511.31	3/4	231.71	3/4		3/4		3/4				3/4	
8	1,460.76	8	1,129.52	8	806.13	8	505.27	8	226.13	8		8		8				8	
1 1/4	1,453.86	1 1/4	1,122.61	1 1/4	799.62	1 1/4	499.23	1 1/4	220.55	1 1/4		1 1/4		1 1/4				1 1/4	
1 1/2	1,446.96	1 1/2	1,115.71	1 1/2	793.12	1 1/2	493.19	1 1/2	214.97	1 1/2		1 1/2		1 1/2				1 1/2	
3/4	1,440.06	3/4	1,108.81	3/4	786.65	3/4	487.18	3/4	209.43	3/4		3/4		3/4				3/4	
9	1,433.16	9	1,101.91	9	780.19	9	481.17	9	203.89	9		9		9				9	
1 1/4	1,426.26	1 1/4	1,095.01	1 1/4	773.72	1 1/4	475.16	1 1/4	198.34	1 1/4		1 1/4		1 1/4				1 1/4	
1 1/2	1,419.35	1 1/2	1,088.11	1 1/2	767.25	1 1/2	469.15	1 1/2	192.80	1 1/2		1 1/2		1 1/2				1 1/2	
3/4	1,412.45	3/4	1,081.21	3/4	760.83	3/4	463.17	3/4	187.30	3/4		3/4		3/4				3/4	
10	1,405.55	10	1,074.32	10	754.40	10	457.20	10	181.80	10		10		10				10	
1 1/4	1,398.65	1 1/4	1,067.42	1 1/4	747.97	1 1/4	451.22	1 1/4	176.30	1 1/4		1 1/4		1 1/4				1 1/4	
1 1/2	1,391.75	1 1/2	1,060.53	1 1/2	741.55	1 1/2	445.25	1 1/2	170.79	1 1/2		1 1/2		1 1/2				1 1/2	
3/4	1,384.85	3/4	1,053.63	3/4	735.18	3/4	439.31	3/4	165.33	3/4		3/4		3/4				3/4	
11	1,377.95	11	1,046.77	11	728.78	11	433.38	11	159.87	11		11		11				11	
1 1/4	1,371.05	1 1/4	1,039.90	1 1/4	722.40	1 1/4	427.44	1 1/4	154.41	1 1/4		1 1/4		1 1/4				1 1/4	
1 1/2	1,364.15	1 1/2	1,033.02	1 1/2	716.01	1 1/2	421.51	1 1/2	148.94	1 1/2		1 1/2		1 1/2				1 1/2	
3/4	1,357.26	3/4	1,026.19	3/4	709.67	3/4	415.61	3/4	143.52	3/4		3/4		3/4				3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/26/2024 JB
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SW
CANCELLED AND SUPERCEDES
ALL PRIOR TO 08/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pierland, Texas 77585



2 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
ID	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
1M	1M	5.557.97	1M	5.552.36	1M	5.201.10	1M	4.838.24	1M	4.458.08	1M	4.069.77	1M	3.691.46	1M	3.293.14	1M	2.912.97	1M	2.524.56
12	12	5.546.74	12	5.193.75	12	4.831.48	12	4.441.90	12	4.061.88	12	3.685.28	12	3.276.05	12	2.896.73	12	2.508.38	12	2.119.97
3M	3M	5.541.43	3M	5.188.40	3M	4.823.71	3M	4.441.90	3M	4.053.59	3M	3.665.28	3M	3.276.05	3M	2.896.73	3M	2.508.38	3M	2.119.97
1	1	5.535.51	1	5.179.05	1	4.815.94	1	4.433.81	1	4.045.50	1	3.667.19	1	3.280.35	1	2.897.55	1	2.499.25	1	2.112.46
1M	1M	5.528.38	1M	5.171.66	1M	4.808.15	1M	4.425.73	1M	4.037.41	1M	3.648.10	1M	3.260.78	1M	2.872.46	1M	2.484.10	1M	2.095.84
12	12	5.521.25	12	5.164.28	12	4.800.35	12	4.417.52	12	4.029.32	12	3.641.00	12	3.252.69	12	2.864.37	12	2.476.01	12	2.088.12
3M	3M	5.514.11	3M	5.156.80	3M	4.792.55	3M	4.409.54	3M	4.021.23	3M	3.632.91	3M	3.244.60	3M	2.856.28	3M	2.467.91	3M	2.079.84
2	2	5.509.98	2	5.149.52	2	4.784.75	2	4.393.36	2	4.013.14	2	3.624.82	2	3.236.51	2	2.848.19	2	2.459.82	2	2.070.75
1M	1M	5.499.04	1M	5.142.11	1M	4.776.92	1M	4.389.96	1M	4.005.05	1M	3.616.73	1M	3.229.42	1M	2.840.10	1M	2.451.73	1M	2.062.66
12	12	5.491.09	12	5.134.69	12	4.769.09	12	4.385.27	12	3.996.96	12	3.608.64	12	3.220.33	12	2.832.07	12	2.443.63	12	2.054.57
3M	3M	5.483.15	3M	5.127.28	3M	4.761.27	3M	4.377.18	3M	3.988.87	3M	3.600.55	3M	3.212.24	3M	2.824.92	3M	2.435.54	3M	2.046.48
3	3	5.478.21	3	5.119.87	3	4.755.44	3	4.369.09	3	3.980.80	3	3.592.46	3	3.204.15	3	2.815.83	3	2.427.45	3	2.037.39
1M	1M	5.467.17	1M	5.112.42	1M	4.745.58	1M	4.361.00	1M	3.972.69	1M	3.584.37	1M	3.196.06	1M	2.807.74	1M	2.419.35	1M	2.028.32
12	12	5.459.12	12	5.104.98	12	4.737.72	12	4.352.91	12	3.964.60	12	3.576.28	12	3.187.97	12	2.799.65	12	2.411.26	12	2.019.25
3M	3M	5.451.08	3M	5.097.84	3M	4.729.68	3M	4.344.82	3M	3.956.51	3M	3.568.19	3M	3.177.88	3M	2.791.56	3M	2.403.17	3M	2.010.14
4	4	5.443.04	4	5.090.09	4	4.722.00	4	4.336.73	4	3.948.42	4	3.560.10	4	3.171.79	4	2.783.38	4	2.395.08	4	2.001.03
1M	1M	5.433.22	1M	5.082.62	1M	4.714.11	1M	4.328.64	1M	3.940.33	1M	3.552.01	1M	3.163.70	1M	2.775.38	1M	2.386.98	1M	1.992.01
12	12	5.427.41	12	5.075.15	12	4.706.22	12	4.320.65	12	3.932.24	12	3.543.92	12	3.155.61	12	2.767.20	12	2.378.80	12	1.982.90
3M	3M	5.419.59	3M	5.067.67	3M	4.698.33	3M	4.312.46	3M	3.924										

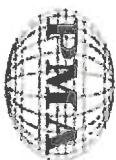
BARGE STAPPLED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN RANGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAGES TAKEN TO TOP LIP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 10'-00" OF CENTERLINE AND 90'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

Portland, Texas 77504

Ed



2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,136.10	0	1,747.64	0	1,359.17	0	970.76	0	583.01	0	194.60	0		0		0		0	
1/4	2,128.01	1/4	1,739.54	1/4	1,351.08	1/4	962.71	1/4	574.92	1/4	186.50	1/4		1/4		1/4		1/4	
1/2	2,119.91	1/2	1,731.45	1/2	1,342.99	1/2	954.64	1/2	566.83	1/2	178.41	1/2		1/2		1/2		1/2	
3/4	2,111.82	3/4	1,723.36	3/4	1,334.89	3/4	946.56	3/4	558.74	3/4	170.32	3/4		3/4		3/4		3/4	
1	2,103.73	1	1,715.26	1	1,326.80	1	938.49	1	550.64	1	162.22	1		1		1		1	
1/4	2,095.63	1/4	1,707.17	1/4	1,318.71	1/4	930.42	1/4	542.55	1/4	154.13	1/4		1/4		1/4		1/4	
1/2	2,087.54	1/2	1,699.08	1/2	1,310.61	1/2	922.35	1/2	534.46	1/2	146.04	1/2		1/2		1/2		1/2	
3/4	2,079.45	3/4	1,690.98	3/4	1,302.52	3/4	914.28	3/4	526.36	3/4	137.95	3/4		3/4		3/4		3/4	
2	2,071.36	2	1,682.89	2	1,294.43	2	906.21	2	518.27	2	129.85	2		2		2		2	
1/4	2,063.26	1/4	1,674.80	1/4	1,286.33	1/4	898.14	1/4	510.18	1/4	121.76	1/4		1/4		1/4		1/4	
1/2	2,055.17	1/2	1,666.71	1/2	1,278.24	1/2	890.07	1/2	502.09	1/2	113.67	1/2		1/2		1/2		1/2	
3/4	2,047.08	3/4	1,658.61	3/4	1,270.15	3/4	881.98	3/4	494.00	3/4	105.57	3/4		3/4		3/4		3/4	
3	2,038.98	3	1,650.52	3	1,262.06	3	873.92	3	485.90	3	97.48	3		3		3		3	
1/4	2,030.89	1/4	1,642.43	1/4	1,253.96	1/4	865.85	1/4	477.82	1/4	89.39	1/4		1/4		1/4		1/4	
1/2	2,022.80	1/2	1,634.33	1/2	1,245.87	1/2	857.78	1/2	469.73	1/2	81.29	1/2		1/2		1/2		1/2	
3/4	2,014.70	3/4	1,626.24	3/4	1,237.78	3/4	849.71	3/4	461.64	3/4	73.20	3/4		3/4		3/4		3/4	
4	2,006.61	4	1,618.15	4	1,229.68	4	841.64	4	453.55	4	65.11	4		4		4		4	
1/4	1,998.52	1/4	1,610.05	1/4	1,221.59	1/4	833.57	1/4	445.46	1/4	57.09	1/4		1/4		1/4		1/4	
1/2	1,990.43	1/2	1,601.96	1/2	1,213.50	1/2	825.50	1/2	437.37	1/2	48.95	1/2		1/2		1/2		1/2	
3/4	1,982.33	3/4	1,593.87	3/4	1,205.40	3/4	817.43	3/4	429.28	3/4	40.85	3/4		3/4		3/4		3/4	
5	1,974.24	5	1,585.78	5	1,197.31	5	809.36	5	421.20	5	32.74	5		5		5		5	
1/4	1,966.15	1/4	1,577.68	1/4	1,189.22	1/4	801.29	1/4	413.10	1/4	24.64	1/4		1/4		1/4		1/4	
1/2	1,958.05	1/2	1,569.59	1/2	1,181.13	1/2	793.22	1/2	405.01	1/2	16.54	1/2		1/2		1/2		1/2	
3/4	1,949.96	3/4	1,561.50	3/4	1,173.03	3/4	785.15	3/4	396.92	3/4	8.44	3/4		3/4		3/4		3/4	
6	1,941.87	6	1,553.40	6	1,164.94	6	777.09	6	388.83	6	13.35	6		6		6		6	
1/4	1,933.77	1/4	1,545.31	1/4	1,156.85	1/4	769.02	1/4	380.74	1/4	5.25	1/4		1/4		1/4		1/4	
1/2	1,925.68	1/2	1,537.22	1/2	1,148.75	1/2	760.95	1/2	372.64	1/2	1.15	1/2		1/2		1/2		1/2	
3/4	1,917.59	3/4	1,529.12	3/4	1,140.66	3/4	752.88	3/4	364.55	3/4	0.05	3/4		3/4		3/4		3/4	
7	1,909.50	7	1,521.03	7	1,132.57	7	744.81	7	356.46	7	0.00	7		7		7		7	
1/4	1,901.40	1/4	1,512.94	1/4	1,124.47	1/4	736.73	1/4	348.36	1/4	0.00	1/4		1/4		1/4		1/4	
1/2	1,893.31	1/2	1,504.85	1/2	1,116.38	1/2	728.65	1/2	340.27	1/2	0.00	1/2		1/2		1/2		1/2	
3/4	1,885.22	3/4	1,496.75	3/4	1,108.29	3/4	720.57	3/4	332.18	3/4	0.00	3/4		3/4		3/4		3/4	
8	1,877.12	8	1,488.66	8	1,100.20	8	712.49	8	324.08	8	0.00	8		8		8		8	
1/4	1,869.03	1/4	1,480.57	1/4	1,092.10	1/4	704.40	1/4	315.99	1/4	0.00	1/4		1/4		1/4		1/4	
1/2	1,860.94	1/2	1,472.47	1/2	1,084.01	1/2	696.31	1/2	307.90	1/2	0.00	1/2		1/2		1/2		1/2	
3/4	1,852.84	3/4	1,464.38	3/4	1,075.92	3/4	688.22	3/4	299.81	3/4	0.00	3/4		3/4		3/4		3/4	
9	1,844.75	9	1,456.29	9	1,067.82	9	680.13	9	291.71	9	0.00	9		9		9		9	
1/4	1,836.66	1/4	1,448.19	1/4	1,059.73	1/4	672.04	1/4	283.62	1/4	0.00	1/4		1/4		1/4		1/4	
1/2	1,828.57	1/2	1,440.10	1/2	1,051.64	1/2	663.94	1/2	275.53	1/2	0.00	1/2		1/2		1/2		1/2	
3/4	1,820.47	3/4	1,432.01	3/4	1,043.54	3/4	655.85	3/4	267.43	3/4	0.00	3/4		3/4		3/4		3/4	
10	1,812.38	10	1,423.92	10	1,035.45	10	647.76	10	259.34	10	0.00	10		10		10		10	
1/4	1,804.29	1/4	1,415.82	1/4	1,027.36	1/4	639.67	1/4	251.25	1/4	0.00	1/4		1/4		1/4		1/4	
1/2	1,796.19	1/2	1,407.73	1/2	1,019.27	1/2	631.57	1/2	243.15	1/2	0.00	1/2		1/2		1/2		1/2	
3/4	1,788.10	3/4	1,399.64	3/4	1,011.18	3/4	623.48	3/4	235.06	3/4	0.00	3/4		3/4		3/4		3/4	
11	1,780.01	11	1,391.54	11	1,003.09	11	615.39	11	226.97	11	0.00	11		11		11		11	
1/4	1,771.91	1/4	1,383.45	1/4	995.01	1/4	607.29	1/4	218.88	1/4	0.00	1/4		1/4		1/4		1/4	
1/2	1,763.82	1/2	1,375.36	1/2	986.93	1/2	599.20	1/2	210.78	1/2	0.00	1/2		1/2		1/2		1/2	
3/4	1,755.73	3/4	1,367.26	3/4	978.85	3/4	591.11	3/4	202.69	3/4	0.00	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SW
CANCELLED AND SUPERCEDES
ALL PRIOR TO 08/26/24

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2062
Parrish, Texas 77561




BARGE "EMS 530"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 15'-06 1/4"																	
0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
IN	0	1 FT.	IN	0	2 FT.	IN	0	3 FT.	IN	0	4 FT.	IN	0	5 FT.	IN	0	6 FT.	IN	0	7 FT.	IN	0	8 FT.	IN	0	9 FT.			
0	0	5,196.44	0	4,834.95	0	4,453.98	0	4,065.19	0	3,676.41	0	3,287.61	0	2,898.82	0	2,510.01													
1/4	5,539.07	5,189.11	4,827.20	4,445.88	4,057.09	3,668.31	3,279.51	2,890.72	2,501.91																				
1/2	5,533.45	5,181.75	4,819.42	4,437.78	4,048.98	3,660.21	3,271.41	2,882.62	2,493.81																				
3/4	5,527.83	5,174.38	4,811.65	4,429.68	4,040.89	3,652.11	3,263.31	2,874.52	2,485.70																				
1	5,522.21	5,167.02	4,803.87	4,421.58	4,032.79	3,644.01	3,255.21	2,866.42	2,477.60																				
1/4	5,516.58	5,159.66	4,796.09	4,413.48	4,024.69	3,635.91	3,247.11	2,858.32	2,469.50																				
1/2	5,510.96	5,152.27	4,788.28	4,405.38	4,016.60	3,627.81	3,238.01	2,850.22	2,461.40																				
3/4	5,505.34	5,144.86	4,780.48	4,397.28	4,008.50	3,618.71	3,230.91	2,842.12	2,453.29																				
2	5,499.72	5,137.49	4,772.67	4,389.18	4,000.40	3,610.50	3,222.81	2,834.02	2,445.19																				
1/4	5,494.10	5,130.10	4,764.86	4,381.08	3,992.30	3,603.30	3,214.71	2,825.92	2,437.09																				
1/2	5,488.48	5,122.67	4,757.02	4,372.98	3,984.20	3,595.40	3,206.51	2,817.82	2,428.98																				
3/4	5,477.12	5,115.25	4,749.48	4,364.98	3,976.10	3,587.30	3,198.31	2,809.72	2,420.88																				
1	5,466.47	5,107.83	4,741.35	4,356.78	3,968.00	3,579.20	3,190.41	2,801.62	2,412.78																				
1/4	5,456.31	5,100.41	4,733.51	4,346.88	3,959.90	3,571.10	3,182.31	2,793.52	2,404.67																				
1/2	5,448.16	5,092.95	4,725.64	4,340.68	3,951.80	3,563.00	3,174.21	2,785.42	2,396.57																				
3/4	5,440.11	5,085.50	4,717.77	4,332.48	3,943.70	3,554.90	3,166.11	2,777.32	2,388.47																				
2	5,432.06	5,078.05	4,709.90	4,324.38	3,935.60	3,546.80	3,158.01	2,769.22	2,380.37																				
1/4	5,424.00	5,070.60	4,702.03	4,318.28	3,927.50	3,538.70	3,149.91	2,761.12	2,372.26																				
1/2	5,416.18	5,063.11	4,694.13	4,308.18	3,919.40	3,530.60	3,141.81	2,753.02	2,364.16																				
3/4	5,408.35	5,055.63	4,686.23	4,300.08	3,911.30	3,522.50	3,133.71	2,744.92	2,356.05																				
1	5,400.33	5,048.14	4,678.33	4,291.98	3,903.20	3,514.40	3,125.61	2,736.82	2,347.95																				
1/4	5,392.70	5,040.66	4,670.43	4,283.89	3,895.10	3,506.30	3,117.51	2,728.72	2,339.85																				
1/2	5,385.32	5,033.15	4,662.50	4,275.79	3,887.00	3,498.20	3,109.41	2,720.62	2,331.75																				
3/4	5,377.94	5,025.63	4,654.67	4,267.69	3,878.90	3,490.10	3,101.31	2,712.52	2,323.64																				
2	5,370.66	5,018.12	4,646.84	4,259.69	3,870.80	3,482.00	3,093.21	2,704.42	2,315.54																				
1/4	5,363.18	5,010.60	4,639.71	4,251.49	3,862.70	3,473.90	3,085.11	2,696.32	2,307.44																				
1/2	5,355.81	5,003.06	4,632.75	4,243.39	3,854.60	3,465.81	3,077.01	2,688.22	2,299.34																				
3/4	5,348.83	4,995.51	4,625.87	4,235.29	3,846.50	3,457.71	3,068.91	2,680.12	2,291.23																				
1	5,341.45	4,987.87	4,618.83	4,227.19	3,838.40	3,449.61	3,060.82	2,672.02	2,283.13																				
1/4	5,334.48	4,980.42	4,610.86	4,219.09	3,830.30	3,441.51	3,052.72	2,663.92	2,275.03																				
1/2	5,327.27	4,972.85	4,598.87	4,210.99	3,822.20	3,433.41	3,044.62	2,655.82	2,266.92																				
3/4	5,320.08	4,965.27	4,590.88	4,202.89	3,814.10	3,425.31	3,036.52	2,647.73	2,258.82																				
2	5,312.86	4,957.69	4,582.89	4,194.79	3,806.00	3,417.21	3,028.42	2,639.63	2,250.72																				
1/4	5,305.65	4,950.12	4,574.90	4,186.69	3,797.90	3,409.11	3,020.32	2,631.53	2,242.61																				
1/2	5,298.41	4,942.51	4,566.87	4,178.59	3,789.80	3,401.01	3,012.22	2,623.43	2,234.51																				
3/4	5,291.17	4,934.90	4,558.85	4,170.49	3,781.70	3,392.91	3,004.12	2,615.33	2,226.41																				
2	5,283.94	4,927.30	4,550.83	4,162.39	3,773.60	3,384.81	2,996.02	2,607.23	2,218.31																				
1/4	5,276.70	4,919.69	4,542.80	4,154.29	3,765.50	3,376.71	2,987.92	2,599.13	2,210.20																				
1/2	5,269.43	4,912.03	4,534.75	4,146.19	3,757.40	3,368.61	2,979.82	2,591.03	2,202.10																				
3/4	5,262.16	4,904.37	4,526.70	4,138.09	3,749.31	3,360.51	2,971.72	2,582.93	2,194.00																				
2	5,254.88	4,896.71	4,518.64	4,129.99	3,741.21	3,352.41	2,963.62	2,574.83	2,185.89																				
1/4	5,247.62	4,889.05	4,510.59	4,121.89	3,733.11	3,344.31	2,955.52	2,566.73	2,177.79																				
1/2	5,240.32	4,881.33	4,502.51	4,113.79	3,725.01	3,336.21	2,947.42	2,558.63	2,169.69																				
3/4	5,233.02	4,873.62	4,494.43	4,105.69	3,716.91	3,328.11	2,939.32	2,550.52	2,161.58																				
2	5,225.73	4,865.90	4,486.35	4,097.59	3,708.81	3,320.01	2,931.22	2,542.42	2,153.48																				
1/4	5,218.43	4,858.18	4,478.27	4,089.49	3,700.71	3,311.91	2,923.12	2,534.32	2,145.38																				
1/2	5,211.10	4,850.44	4,470.17	4,081.39	3,692.61	3,303.81	2,915.02	2,526.22	2,137.28																				
3/4	5,203.77	4,842.69	4,462.07	4,073.29	3,684.51	3,295.71	2,906.92	2,518.12	2,129.17																				



2 STBD
ULLAGE TABLE

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,121.07	1/4	1,732.13	1/4	1,343.18	1/4	968.09	1/4	591.83	1/4	202.94	1/4	194.83	1/4	194.83	1/4	194.83	1/4	194.83
1/2	2,112.97	1/2	1,724.03	1/2	1,335.08	1/2	960.51	1/2	588.73	1/2	198.73	1/2	198.73	1/2	198.73	1/2	198.73	1/2	198.73
3/4	2,104.86	3/4	1,715.92	3/4	1,327.13	3/4	952.54	3/4	575.63	3/4	198.73	3/4	198.73	3/4	198.73	3/4	198.73	3/4	198.73
1	2,096.76	1	1,707.82	1	1,319.18	1	944.76	1	567.52	1	178.63	1	178.63	1	178.63	1	178.63	1	178.63
1 1/4	2,088.66	1 1/4	1,699.71	1 1/4	1,311.23	1 1/4	936.99	1 1/4	559.42	1 1/4	170.53	1 1/4	170.53	1 1/4	170.53	1 1/4	170.53	1 1/4	170.53
1 1/2	2,080.55	1 1/2	1,691.61	1 1/2	1,303.28	1 1/2	929.21	1 1/2	551.32	1 1/2	162.42	1 1/2	162.42	1 1/2	162.42	1 1/2	162.42	1 1/2	162.42
1 3/4	2,072.45	1 3/4	1,683.51	1 3/4	1,295.48	1 3/4	921.44	1 3/4	543.21	1 3/4	154.32	1 3/4	154.32	1 3/4	154.32	1 3/4	154.32	1 3/4	154.32
2	2,064.35	2	1,675.40	2	1,287.69	2	913.67	2	535.11	2	146.22	2	146.22	2	146.22	2	146.22	2	146.22
2 1/4	2,056.25	2 1/4	1,667.30	2 1/4	1,279.89	2 1/4	905.89	2 1/4	527.01	2 1/4	138.11	2 1/4	138.11	2 1/4	138.11	2 1/4	138.11	2 1/4	138.11
2 1/2	2,048.14	2 1/2	1,659.20	2 1/2	1,272.09	2 1/2	898.12	2 1/2	518.91	2 1/2	130.01	2 1/2	130.01	2 1/2	130.01	2 1/2	130.01	2 1/2	130.01
2 3/4	2,040.04	2 3/4	1,651.10	2 3/4	1,264.30	2 3/4	890.34	2 3/4	510.80	2 3/4	121.91	2 3/4	121.91	2 3/4	121.91	2 3/4	121.91	2 3/4	121.91
3	2,031.94	3	1,642.99	3	1,256.50	3	882.57	3	502.70	3	113.80	3	113.80	3	113.80	3	113.80	3	113.80
3 1/4	2,023.83	3 1/4	1,634.89	3 1/4	1,248.71	3 1/4	874.79	3 1/4	494.60	3 1/4	105.70	3 1/4	105.70	3 1/4	105.70	3 1/4	105.70	3 1/4	105.70
3 1/2	2,015.73	3 1/2	1,626.79	3 1/2	1,240.91	3 1/2	867.02	3 1/2	486.50	3 1/2	97.60	3 1/2	97.60	3 1/2	97.60	3 1/2	97.60	3 1/2	97.60
3 3/4	2,007.63	3 3/4	1,618.68	3 3/4	1,233.11	3 3/4	859.25	3 3/4	478.40	3 3/4	89.50	3 3/4	89.50	3 3/4	89.50	3 3/4	89.50	3 3/4	89.50
4	1,999.52	4	1,610.58	4	1,225.32	4	851.47	4	470.30	4	81.39	4	81.39	4	81.39	4	81.39	4	81.39
4 1/4	1,991.42	4 1/4	1,602.48	4 1/4	1,217.52	4 1/4	843.70	4 1/4	462.20	4 1/4	73.28	4 1/4	73.28	4 1/4	73.28	4 1/4	73.28	4 1/4	73.28
4 1/2	1,983.32	4 1/2	1,594.37	4 1/2	1,209.72	4 1/2	835.92	4 1/2	454.11	4 1/2	65.19	4 1/2	65.19	4 1/2	65.19	4 1/2	65.19	4 1/2	65.19
4 3/4	1,975.22	4 3/4	1,586.27	4 3/4	1,201.93	4 3/4	828.15	4 3/4	446.01	4 3/4	57.06	4 3/4	57.06	4 3/4	57.06	4 3/4	57.06	4 3/4	57.06
5	1,967.11	5	1,578.17	5	1,194.13	5	820.38	5	437.91	5	50.33	5	50.33	5	50.33	5	50.33	5	50.33
5 1/4	1,959.01	5 1/4	1,570.07	5 1/4	1,186.34	5 1/4	812.60	5 1/4	429.81	5 1/4	42.90	5 1/4	42.90	5 1/4	42.90	5 1/4	42.90	5 1/4	42.90
5 1/2	1,950.91	5 1/2	1,561.96	5 1/2	1,178.54	5 1/2	804.83	5 1/2	421.71	5 1/2	35.48	5 1/2	35.48	5 1/2	35.48	5 1/2	35.48	5 1/2	35.48
5 3/4	1,942.80	5 3/4	1,553.86	5 3/4	1,170.74	5 3/4	797.06	5 3/4	413.61	5 3/4	30.07	5 3/4	30.07	5 3/4	30.07	5 3/4	30.07	5 3/4	30.07
6	1,934.70	6	1,545.76	6	1,162.95	6	789.29	6	405.51	6	24.67	6	24.67	6	24.67	6	24.67	6	24.67
6 1/4	1,926.60	6 1/4	1,537.65	6 1/4	1,155.15	6 1/4	781.51	6 1/4	397.41	6 1/4	19.27	6 1/4	19.27	6 1/4	19.27	6 1/4	19.27	6 1/4	19.27
6 1/2	1,918.49	6 1/2	1,529.55	6 1/2	1,147.35	6 1/2	773.74	6 1/2	389.31	6 1/2	13.67	6 1/2	13.67	6 1/2	13.67	6 1/2	13.67	6 1/2	13.67
6 3/4	1,910.39	6 3/4	1,521.45	6 3/4	1,139.56	6 3/4	765.97	6 3/4	381.20	6 3/4	7.06	6 3/4	7.06	6 3/4	7.06	6 3/4	7.06	6 3/4	7.06
7	1,902.28	7	1,513.34	7	1,131.76	7	758.20	7	373.10	7	0.00	7	0.00	7	0.00	7	0.00	7	0.00
7 1/4	1,894.19	7 1/4	1,505.24	7 1/4	1,123.96	7 1/4	750.42	7 1/4	365.00	7 1/4	0.00	7 1/4	0.00	7 1/4	0.00	7 1/4	0.00	7 1/4	0.00
7 1/2	1,886.08	7 1/2	1,497.14	7 1/2	1,116.17	7 1/2	742.65	7 1/2	356.89	7 1/2	0.00	7 1/2	0.00	7 1/2	0.00	7 1/2	0.00	7 1/2	0.00
7 3/4	1,877.98	7 3/4	1,489.03	7 3/4	1,108.37	7 3/4	734.87	7 3/4	348.79	7 3/4	0.00	7 3/4	0.00	7 3/4	0.00	7 3/4	0.00	7 3/4	0.00
8	1,869.88	8	1,480.93	8	1,100.58	8	727.09	8	340.69	8	0.00	8	0.00	8	0.00	8	0.00	8	0.00
8 1/4	1,861.77	8 1/4	1,472.83	8 1/4	1,092.78	8 1/4	719.31	8 1/4	332.59	8 1/4	0.00	8 1/4	0.00	8 1/4	0.00	8 1/4	0.00	8 1/4	0.00
8 1/2	1,853.67	8 1/2	1,464.73	8 1/2	1,084.98	8 1/2	711.52	8 1/2	324.48	8 1/2	0.00	8 1/2	0.00	8 1/2	0.00	8 1/2	0.00	8 1/2	0.00
8 3/4	1,845.57	8 3/4	1,456.62	8 3/4	1,077.19	8 3/4	703.73	8 3/4	316.38	8 3/4	0.00	8 3/4	0.00	8 3/4	0.00	8 3/4	0.00	8 3/4	0.00
9	1,837.46	9	1,448.52	9	1,069.39	9	695.94	9	308.28	9	0.00	9	0.00	9	0.00	9	0.00	9	0.00
9 1/4	1,829.36	9 1/4	1,440.42	9 1/4	1,061.59	9 1/4	688.14	9 1/4	300.17	9 1/4	0.00	9 1/4	0.00	9 1/4	0.00	9 1/4	0.00	9 1/4	0.00
9 1/2	1,821.26	9 1/2	1,432.31	9 1/2	1,053.80	9 1/2	680.35	9 1/2	292.07	9 1/2	0.00	9 1/2	0.00	9 1/2	0.00	9 1/2	0.00	9 1/2	0.00
9 3/4	1,813.16	9 3/4	1,424.21	9 3/4	1,046.00	9 3/4	672.40	9 3/4	283.97	9 3/4	0.00	9 3/4	0.00	9 3/4	0.00	9 3/4	0.00	9 3/4	0.00
10	1,805.05	10	1,416.11	10	1,038.21	10	664.45	10	275.86	10	0.00	10	0.00	10	0.00	10	0.00	10	0.00
10 1/4	1,796.95	10 1/4	1,408.00	10 1/4	1,030.41	10 1/4	656.50	10 1/4	267.76	10 1/4	0.00	10 1/4	0.00	10 1/4	0.00	10 1/4	0.00	10 1/4	0.00
10 1/2	1,788.85	10 1/2	1,399.80	10 1/2	1,022.61	10 1/2	648.55	10 1/2	259.66	10 1/2	0.00	10 1/2	0.00	10 1/2	0.00	10 1/2	0.00	10 1/2	0.00
10 3/4	1,780.74	10 3/4	1,391.70	10 3/4	1,014.82	10 3/4	640.45	10 3/4	251.56	10 3/4	0.00	10 3/4	0.00	10 3/4	0.00	10 3/4	0.00	10 3/4	0.00
11	1,772.64	11	1,383.60	11	1,007.03	11	632.35	11	243.45	11	0.00	11	0.00	11	0.00	11	0.00	11	0.00
11 1/4	1,764.54	11 1/4	1,375.50	11 1/4	999.23	11 1/4	624.24	11 1/4	235.35	11 1/4	0.00	11 1/4	0.00	11 1/4	0.00	11 1/4	0.00	11 1/4	0.00
11 1/2	1,756.43	11 1/2	1,367.40	11 1/2	991.44	11 1/2	616.14	11 1/2	227.25	11 1/2	0.00	11 1/2	0.00	11 1/2	0.00	11 1/2	0.00	11 1/2	0.00
11 3/4	1,748.33	11 3/4	1,359.30	11 3/4	983.66	11 3/4	608.04	11 3/4	219.14	11 3/4	0.00	11 3/4	0.00	11 3/4	0.00	11 3/4	0.00	11 3/4	0.00
12	1,740.23	12	1,351.20	12	975.88	12	599.93	12	211.04	12	0.00	12	0.00	12	0.00	12	0.00	12	0.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77888



BARGE "EMS 530"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0																			
1/4	4,743.80	1/4	4,513.72	1/4	4,270.39	1/4	4,026.06	1/4	3,781.73	1/4	3,537.40	1/4	3,293.07	1/4	3,048.74	1/4	2,804.41	1/4	2,560.08
1/2	4,740.58	1/2	4,508.81	1/2	4,265.11	1/2	4,020.81	1/2	3,776.51	1/2	3,532.21	1/2	3,287.91	1/2	3,043.61	1/2	2,799.31	1/2	2,554.99
3/4	4,737.36	3/4	4,503.91	3/4	4,261.63	3/4	4,017.33	3/4	3,773.03	3/4	3,528.73	3/4	3,284.43	3/4	3,040.13	3/4	2,795.83	3/4	2,551.53
1	4,734.14	1	4,499.00	1	4,258.00	1	4,013.00	1	3,768.00	1	3,523.00	1	3,278.00	1	3,033.00	1	2,788.00	1	2,543.00
1 1/4	4,730.92	1 1/4	4,494.10	1 1/4	4,249.26	1 1/4	4,004.36	1 1/4	3,759.52	1 1/4	3,514.68	1 1/4	3,269.84	1 1/4	3,024.99	1 1/4	2,780.15	1 1/4	2,535.31
1 1/2	4,726.28	1 1/2	4,488.16	1 1/2	4,243.95	1 1/2	4,000.39	1 1/2	3,755.89	1 1/2	3,511.05	1 1/2	3,266.21	1 1/2	3,021.37	1 1/2	2,776.53	1 1/2	2,531.69
1 3/4	4,721.65	1 3/4	4,483.23	1 3/4	4,238.64	1 3/4	4,000.39	1 3/4	3,755.89	1 3/4	3,511.05	1 3/4	3,266.21	1 3/4	3,021.37	1 3/4	2,776.53	1 3/4	2,531.69
2	4,717.01	2	4,478.30	2	4,233.33	2	3,995.33	2	3,750.33	2	3,505.33	2	3,260.33	2	3,015.33	2	2,770.33	2	2,525.33
2 1/4	4,712.38	2 1/4	4,473.38	2 1/4	4,228.02	2 1/4	3,990.02	2 1/4	3,745.02	2 1/4	3,500.02	2 1/4	3,255.02	2 1/4	3,010.02	2 1/4	2,765.02	2 1/4	2,520.02
2 1/2	4,708.99	2 1/2	4,469.40	2 1/2	4,222.68	2 1/2	3,985.68	2 1/2	3,740.68	2 1/2	3,495.68	2 1/2	3,250.68	2 1/2	3,005.68	2 1/2	2,760.68	2 1/2	2,515.68
2 3/4	4,704.60	2 3/4	4,464.44	2 3/4	4,217.34	2 3/4	3,980.34	2 3/4	3,735.34	2 3/4	3,490.34	2 3/4	3,245.34	2 3/4	3,000.34	2 3/4	2,755.34	2 3/4	2,510.34
3	4,699.22	3	4,459.48	3	4,212.00	3	3,975.00	3	3,730.00	3	3,485.00	3	3,240.00	3	3,000.00	3	2,750.00	3	2,505.00
3 1/4	4,694.85	3 1/4	4,454.52	3 1/4	4,206.67	3 1/4	3,970.67	3 1/4	3,725.67	3 1/4	3,480.67	3 1/4	3,235.67	3 1/4	2,990.67	3 1/4	2,745.67	3 1/4	2,500.67
3 1/2	4,690.48	3 1/2	4,450.15	3 1/2	4,201.30	3 1/2	3,965.30	3 1/2	3,720.30	3 1/2	3,475.30	3 1/2	3,230.30	3 1/2	2,985.30	3 1/2	2,740.30	3 1/2	2,495.30
3 3/4	4,686.11	3 3/4	4,445.78	3 3/4	4,195.93	3 3/4	3,960.93	3 3/4	3,715.93	3 3/4	3,470.93	3 3/4	3,225.93	3 3/4	2,980.93	3 3/4	2,735.93	3 3/4	2,490.93
4	4,681.74	4	4,441.41	4	4,191.56	4	3,956.56	4	3,711.56	4	3,466.56	4	3,221.56	4	2,976.56	4	2,731.56	4	2,486.56
4 1/4	4,677.37	4 1/4	4,437.04	4 1/4	4,187.20	4 1/4	3,952.20	4 1/4	3,707.20	4 1/4	3,462.20	4 1/4	3,217.20	4 1/4	2,972.20	4 1/4	2,727.20	4 1/4	2,482.20
4 1/2	4,673.00	4 1/2	4,432.67	4 1/2	4,182.85	4 1/2	3,947.85	4 1/2	3,702.85	4 1/2	3,457.85	4 1/2	3,212.85	4 1/2	2,967.85	4 1/2	2,722.85	4 1/2	2,477.85
4 3/4	4,668.63	4 3/4	4,428.30	4 3/4	4,178.00	4 3/4	3,943.00	4 3/4	3,698.00	4 3/4	3,453.00	4 3/4	3,208.00	4 3/4	2,963.00	4 3/4	2,718.00	4 3/4	2,473.00
5	4,664.26	5	4,423.93	5	4,173.67	5	3,938.67	5	3,693.67	5	3,448.67	5	3,203.67	5	2,958.67	5	2,713.67	5	2,468.67
5 1/4	4,659.89	5 1/4	4,419.56	5 1/4	4,169.01	5 1/4	3,934.01	5 1/4	3,689.01	5 1/4	3,444.01	5 1/4	3,199.01	5 1/4	2,954.01	5 1/4	2,709.01	5 1/4	2,464.01
5 1/2	4,655.52	5 1/2	4,415.19	5 1/2	4,164.64	5 1/2	3,929.64	5 1/2	3,684.64	5 1/2	3,439.64	5 1/2	3,194.64	5 1/2	2,949.64	5 1/2	2,704.64	5 1/2	2,459.64
5 3/4	4,651.15	5 3/4	4,410.82	5 3/4	4,160.27	5 3/4	3,925.27	5 3/4	3,680.27	5 3/4	3,435.27	5 3/4	3,189.27	5 3/4	2,944.27	5 3/4	2,699.27	5 3/4	2,454.27
6	4,646.78	6	4,406.45	6	4,155.90	6	3,920.90	6	3,675.90	6	3,430.90	6	3,185.90	6	2,940.90	6	2,695.90	6	2,450.90
6 1/4	4,642.41	6 1/4	4,402.08	6 1/4	4,151.53	6 1/4	3,916.53	6 1/4	3,671.53	6 1/4	3,426.53	6 1/4	3,181.53	6 1/4	2,936.53	6 1/4	2,691.53	6 1/4	2,446.53
6 1/2	4,638.04	6 1/2	4,397.71	6 1/2	4,147.16	6 1/2	3,912.16	6 1/2	3,667.16	6 1/2	3,422.16	6 1/2	3,177.16	6 1/2	2,932.16	6 1/2	2,687.16	6 1/2	2,442.16
6 3/4	4,633.67	6 3/4	4,393.34	6 3/4	4,142.79	6 3/4	3,907.79	6 3/4	3,662.79	6 3/4	3,417.79	6 3/4	3,172.79	6 3/4	2,927.79	6 3/4	2,682.79	6 3/4	2,437.79
7	4,629.30	7	4,389.00	7	4,138.33	7	3,903.33	7	3,658.33	7	3,413.33	7	3,168.33	7	2,923.33	7	2,678.33	7	2,433.33
7 1/4	4,624.93	7 1/4	4,384.63	7 1/4	4,133.96	7 1/4	3,898.96	7 1/4	3,653.96	7 1/4	3,408.96	7 1/4	3,163.96	7 1/4	2,918.96	7 1/4	2,673.96	7 1/4	2,428.96
7 1/2	4,620.56	7 1/2	4,380.26	7 1/2	4,129.59	7 1/2	3,894.59	7 1/2	3,649.59	7 1/2	3,404.59	7 1/2	3,159.59	7 1/2	2,914.59	7 1/2	2,668.59	7 1/2	2,424.59
7 3/4	4,616.19	7 3/4	4,375.89	7 3/4	4,125.22	7 3/4	3,890.22	7 3/4	3,645.22	7 3/4	3,400.22	7 3/4	3,155.22	7 3/4	2,909.22	7 3/4	2,664.22	7 3/4	2,420.22
8	4,611.82	8	4,371.52	8	4,120.85	8	3,885.85	8	3,640.85	8	3,395.85	8	3,150.85	8	2,905.85	8	2,659.85	8	2,415.85
8 1/4	4,607.45	8 1/4	4,367.15	8 1/4	4,116.48	8 1/4	3,881.48	8 1/4	3,636.48	8 1/4	3,391.48	8 1/4	3,146.48	8 1/4	2,901.48	8 1/4	2,656.48	8 1/4	2,411.48
8 1/2	4,603.08	8 1/2	4,362.78	8 1/2	4,112.11	8 1/2	3,877.11	8 1/2	3,632.11	8 1/2	3,387.11	8 1/2	3,142.11	8 1/2	2,897.11	8 1/2	2,652.11	8 1/2	2,407.11
8 3/4	4,598.71	8 3/4	4,358.41	8 3/4	4,107.74	8 3/4	3,872.74	8 3/4	3,627.74	8 3/4	3,382.74	8 3/4	3,137.74	8 3/4	2,892.74	8 3/4	2,647.74	8 3/4	2,402.74
9	4,594.34	9	4,354.04	9	4,103.37	9	3,868.37	9	3,623.37	9	3,378.37	9	3,133.37	9	2,888.37	9	2,643.37	9	2,398.37
9 1/4	4,589.97	9 1/4	4,349.67	9 1/4	4,098.00	9 1/4	3,863.00	9 1/4	3,618.00	9 1/4	3,373.00	9 1/4	3,128.00	9 1/4	2,883.00	9 1/4	2,638.00	9 1/4	2,393.00
9 1/2	4,585.60	9 1/2	4,345.30	9 1/2	4,093.63	9 1/2	3,858.63	9 1/2	3,613.63	9 1/2	3,368.63	9 1/2	3,123.63	9 1/2	2,878.63	9 1/2	2,633.63	9 1/2	2,388.63
9 3/4	4,581.23	9 3/4	4,340.93	9 3/4	4,089.26	9 3/4	3,854.26	9 3/4	3,609.26	9 3/4	3,364.26	9 3/4	3,119.26	9 3/4	2,874.26	9 3/4	2,629.26	9 3/4	2,384.26
10	4,576.86	10	4,336.56	10	4,084.89	10	3,849.89	10	3,604.89	10	3,359.89	10	3,114.89	10	2,869.89	10	2,624.89	10	2,379.89
10 1/4	4,572.49	10 1/4	4,332.19	10 1/4	4,080.52	10 1/4	3,845.52	10 1/4	3,600.52	10 1/4	3,355.52	10 1/4	3,110.52	10 1/4	2,865.52	10 1/4	2,619.52	10 1/4	2,375.52
10 1/2	4,568.12	10 1/2	4,327.82	10 1/2	4,076.15	10 1/2	3,841.15	10 1/2	3,596.15	10 1/2	3,351.15	10 1/2	3,106.15	10 1/2	2,861.15	10 1/2	2,614.15	10 1/2	2,371.15
10 3/4	4,563.75	10 3/4	4,323.45	10 3/4	4,071.78	10 3/4	3,836.78	10 3/4	3,591.78	10 3/4	3,346.78	10 3/4	3,101.78	10 3/4	2,856.78	10 3/4	2,609.78	10 3/4	2,366.78
11	4,559.38	11	4,319.08	11	4,067.41	11	3,832.41	11	3,587.41	11	3,342.41	11	3,097.41	11	2,852.41	11	2,607.41	11	2,362.41
11 1/4	4,555.01	11 1/4	4,314.71	11 1/4	4,063.04	11 1/4	3,828.04	11 1/4	3,583.04	11 1/4	3,338.04	11 1/4	3,093.04	11 1/4	2,848.04	11 1/4	2,603.04	11 1/4	2,358.04
11 1/2	4,550.64	11 1/2	4,310.34	11 1/2	4,058.67	11 1/2	3,823.67	11 1/2	3,578.67	11 1/2	3,333.67	11 1/2	3,088.67	11 1/2	2,843.67	11 1/2	2,598.67	11 1/2	2,353.67
11 3/4	4,546.27	11 3/4	4,305.97	11 3/4	4,0549.93														



3 PORT
ULLAGE TABLE

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,989.49	0	1,627.80	0	1,285.51	0	905.18	0	551.28	0	189.06	0		0		0		0	
1/4	1,981.96	1/4	1,620.06	1/4	1,257.96	1/4	897.54	1/4	543.74	1/4	181.51	1/4		1/4		1/4		1/4	
1/2	1,974.43	1/2	1,612.51	1/2	1,250.42	1/2	890.51	1/2	536.19	1/2	173.96	1/2		1/2		1/2		1/2	
3/4	1,966.90	3/4	1,604.97	3/4	1,242.87	3/4	883.18	3/4	528.64	3/4	166.41	3/4		3/4		3/4		3/4	
1	1,959.37	1	1,597.43	1	1,235.33	1	875.85	1	521.09	1	158.87	1		1		1		1	
1/4	1,951.84	1/4	1,589.88	1/4	1,227.78	1/4	868.53	1/4	513.55	1/4	151.32	1/4		1/4		1/4		1/4	
1/2	1,944.31	1/2	1,582.34	1/2	1,220.24	1/2	861.20	1/2	506.00	1/2	143.77	1/2		1/2		1/2		1/2	
3/4	1,936.78	3/4	1,574.80	3/4	1,212.70	3/4	853.87	3/4	498.45	3/4	136.22	3/4		3/4		3/4		3/4	
2	1,929.25	2	1,567.25	2	1,205.16	2	846.54	2	490.90	2	128.68	2		2		2		2	
1/4	1,921.72	1/4	1,559.71	1/4	1,197.61	1/4	839.21	1/4	483.36	1/4	121.13	1/4		1/4		1/4		1/4	
1/2	1,914.19	1/2	1,552.17	1/2	1,190.06	1/2	831.88	1/2	475.81	1/2	113.58	1/2		1/2		1/2		1/2	
3/4	1,906.66	3/4	1,544.62	3/4	1,182.52	3/4	824.55	3/4	468.26	3/4	106.03	3/4		3/4		3/4		3/4	
3	1,899.13	3	1,537.08	3	1,174.97	3	817.22	3	460.72	3	98.49	3		3		3		3	
1/4	1,891.60	1/4	1,529.53	1/4	1,167.43	1/4	809.89	1/4	453.17	1/4	90.94	1/4		1/4		1/4		1/4	
1/2	1,884.06	1/2	1,521.99	1/2	1,159.89	1/2	802.56	1/2	445.63	1/2	83.39	1/2		1/2		1/2		1/2	
3/4	1,876.53	3/4	1,514.45	3/4	1,152.34	3/4	795.23	3/4	438.09	3/4	75.84	3/4		3/4		3/4		3/4	
4	1,868.99	4	1,506.90	4	1,144.80	4	787.91	4	430.54	4	68.30	4		4		4		4	
1/4	1,861.46	1/4	1,499.36	1/4	1,137.25	1/4	780.58	1/4	423.00	1/4	60.75	1/4		1/4		1/4		1/4	
1/2	1,853.91	1/2	1,491.82	1/2	1,129.71	1/2	773.25	1/2	415.46	1/2	53.83	1/2		1/2		1/2		1/2	
3/4	1,846.37	3/4	1,484.27	3/4	1,122.17	3/4	765.92	3/4	407.91	3/4	46.91	3/4		3/4		3/4		3/4	
5	1,838.83	5	1,476.73	5	1,114.62	5	758.59	5	400.37	5	39.99	5		5		5		5	
1/4	1,831.28	1/4	1,469.18	1/4	1,107.08	1/4	751.27	1/4	392.83	1/4	33.07	1/4		1/4		1/4		1/4	
1/2	1,823.74	1/2	1,461.64	1/2	1,099.53	1/2	743.94	1/2	385.28	1/2	26.04	1/2		1/2		1/2		1/2	
3/4	1,816.19	3/4	1,454.10	3/4	1,091.99	3/4	736.61	3/4	377.74	3/4	23.01	3/4		3/4		3/4		3/4	
6	1,808.65	6	1,446.55	6	1,084.44	6	729.28	6	370.19	6	17.98	6		6		6		6	
1/4	1,801.11	1/4	1,439.01	1/4	1,076.90	1/4	721.96	1/4	362.65	1/4	12.95	1/4		1/4		1/4		1/4	
1/2	1,793.56	1/2	1,431.47	1/2	1,069.36	1/2	714.63	1/2	355.10	1/2		1/2		1/2		1/2		1/2	
3/4	1,786.02	3/4	1,423.92	3/4	1,061.81	3/4	707.30	3/4	347.55	3/4		3/4		3/4		3/4		3/4	
7	1,778.48	7	1,416.38	7	1,054.27	7	699.98	7	340.01	7		7		7		7		7	
1/4	1,770.93	1/4	1,408.83	1/4	1,046.72	1/4	692.65	1/4	332.46	1/4		1/4		1/4		1/4		1/4	
1/2	1,763.39	1/2	1,401.29	1/2	1,039.18	1/2	685.31	1/2	324.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,755.85	3/4	1,393.75	3/4	1,031.63	3/4	677.98	3/4	317.36	3/4		3/4		3/4		3/4		3/4	
8	1,748.30	8	1,386.20	8	1,024.09	8	670.64	8	309.82	8		8		8		8		8	
1/4	1,740.76	1/4	1,378.66	1/4	1,016.55	1/4	663.30	1/4	302.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,733.21	1/2	1,371.12	1/2	1,009.00	1/2	655.95	1/2	294.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,725.67	3/4	1,363.57	3/4	1,001.46	3/4	648.61	3/4	287.17	3/4		3/4		3/4		3/4		3/4	
9	1,718.13	9	1,356.03	9	993.91	9	641.26	9	279.63	9		9		9		9		9	
1/4	1,710.58	1/4	1,348.49	1/4	986.37	1/4	633.91	1/4	272.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,703.04	1/2	1,340.94	1/2	978.92	1/2	626.46	1/2	264.53	1/2		1/2		1/2		1/2		1/2	
3/4	1,695.50	3/4	1,333.40	3/4	971.47	3/4	619.01	3/4	256.98	3/4		3/4		3/4		3/4		3/4	
10	1,687.95	10	1,325.85	10	964.03	10	611.56	10	249.44	10		10		10		10		10	
1/4	1,680.41	1/4	1,318.31	1/4	956.58	1/4	604.12	1/4	241.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,672.86	1/2	1,310.77	1/2	949.23	1/2	596.57	1/2	234.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,665.32	3/4	1,303.22	3/4	941.88	3/4	589.02	3/4	226.79	3/4		3/4		3/4		3/4		3/4	
11	1,657.78	11	1,295.68	11	934.64	11	581.47	11	219.25	11		11		11		11		11	
1/4	1,650.23	1/4	1,288.14	1/4	927.19	1/4	573.93	1/4	211.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,642.69	1/2	1,280.59	1/2	919.85	1/2	566.38	1/2	204.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,635.15	3/4	1,273.05	3/4	912.52	3/4	558.83	3/4	196.60	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/26/2024 JS
CALCULATED: 08/26/2024 CL
PRINTED: 08/26/2024 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2024

PRECISION MEASUREMENT

& ANALYSIS, INC.
P.O. Box 2002
Pawland, Texas 77588

Paul J. Jarama



BARGE "EMS 530"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS												GAUGE HEIGHT 15'-06 1/4"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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IN	0	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	0	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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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BARGE "EMS 530"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,989.70	1/4	1,511.32	1/4	1,249.94	1/4	892.96	1/4	550.75	1/4	189.00	1/4		1/4		1/4		1/4	
1/2	1,962.28	1/2	1,603.80	1/2	1,242.41	1/2	886.93	1/2	543.21	1/2	181.47	1/2		1/2		1/2		1/2	
3/4	1,954.85	3/4	1,596.27	3/4	1,234.89	3/4	878.90	3/4	535.67	3/4	173.93	3/4		3/4		3/4		3/4	
1	1,947.43	1	1,588.74	1	1,227.36	1	871.88	1	528.14	1	166.39	1		1		1		1	
1 1/4	1,940.00	1 1/4	1,581.21	1 1/4	1,219.83	1 1/4	864.86	1 1/4	520.60	1 1/4	158.86	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,932.58	1 1/2	1,573.68	1 1/2	1,212.30	1 1/2	857.83	1 1/2	513.06	1 1/2	151.32	1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	1,925.15	1 3/4	1,566.15	1 3/4	1,204.77	1 3/4	850.80	1 3/4	505.52	1 3/4	143.77	1 3/4		1 3/4		1 3/4		1 3/4	
2	1,917.73	2	1,558.62	2	1,197.24	2	843.77	2	497.98	2	136.23	2		2		2		2	
2 1/4	1,910.30	2 1/4	1,551.10	2 1/4	1,189.71	2 1/4	836.74	2 1/4	490.45	2 1/4	128.69	2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2	1,902.88	2 1/2	1,543.57	2 1/2	1,182.18	2 1/2	829.72	2 1/2	482.91	2 1/2	121.15	2 1/2		2 1/2		2 1/2		2 1/2	
2 3/4	1,895.45	2 3/4	1,536.04	2 3/4	1,174.65	2 3/4	822.69	2 3/4	475.38	2 3/4	113.60	2 3/4		2 3/4		2 3/4		2 3/4	
3	1,888.03	3	1,528.51	3	1,167.12	3	815.66	3	467.84	3	106.05	3		3		3		3	
3 1/4	1,880.60	3 1/4	1,520.98	3 1/4	1,159.59	3 1/4	808.63	3 1/4	460.30	3 1/4	98.50	3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2	1,873.18	3 1/2	1,513.45	3 1/2	1,152.06	3 1/2	801.60	3 1/2	452.77	3 1/2	90.95	3 1/2		3 1/2		3 1/2		3 1/2	
3 3/4	1,865.74	3 3/4	1,505.92	3 3/4	1,144.53	3 3/4	794.57	3 3/4	445.24	3 3/4	83.40	3 3/4		3 3/4		3 3/4		3 3/4	
4	1,858.31	4	1,498.39	4	1,136.99	4	787.54	4	437.70	4	75.85	4		4		4		4	
4 1/4	1,850.88	4 1/4	1,490.87	4 1/4	1,129.46	4 1/4	780.51	4 1/4	430.17	4 1/4	68.30	4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2	1,843.45	4 1/2	1,483.34	4 1/2	1,121.93	4 1/2	773.48	4 1/2	422.64	4 1/2	60.75	4 1/2		4 1/2		4 1/2		4 1/2	
4 3/4	1,836.01	4 3/4	1,475.81	4 3/4	1,114.40	4 3/4	766.45	4 3/4	415.10	4 3/4	53.20	4 3/4		4 3/4		4 3/4		4 3/4	
5	1,828.57	5	1,468.28	5	1,106.87	5	759.43	5	407.57	5	45.65	5		5		5		5	
5 1/4	1,821.13	5 1/4	1,460.75	5 1/4	1,099.34	5 1/4	752.40	5 1/4	400.04	5 1/4	38.10	5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	1,813.70	5 1/2	1,453.22	5 1/2	1,091.82	5 1/2	745.37	5 1/2	392.51	5 1/2	30.55	5 1/2		5 1/2		5 1/2		5 1/2	
5 3/4	1,806.26	5 3/4	1,445.69	5 3/4	1,084.29	5 3/4	738.34	5 3/4	384.97	5 3/4	23.00	5 3/4		5 3/4		5 3/4		5 3/4	
6	1,798.82	6	1,438.16	6	1,076.77	6	731.32	6	377.43	6	15.45	6		6		6		6	
6 1/4	1,791.38	6 1/4	1,430.64	6 1/4	1,069.24	6 1/4	724.29	6 1/4	369.90	6 1/4	8.90	6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	1,783.94	6 1/2	1,423.11	6 1/2	1,061.72	6 1/2	717.26	6 1/2	362.36	6 1/2	1.35	6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4	1,776.50	6 3/4	1,415.58	6 3/4	1,054.20	6 3/4	710.24	6 3/4	354.83	6 3/4		6 3/4		6 3/4		6 3/4		6 3/4	
7	1,769.07	7	1,408.05	7	1,046.67	7	703.21	7	347.29	7		7		7		7		7	
7 1/4	1,761.63	7 1/4	1,400.52	7 1/4	1,039.15	7 1/4	696.18	7 1/4	339.75	7 1/4		7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	1,754.19	7 1/2	1,392.99	7 1/2	1,031.63	7 1/2	689.15	7 1/2	332.21	7 1/2		7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4	1,746.71	7 3/4	1,385.46	7 3/4	1,024.10	7 3/4	682.11	7 3/4	324.68	7 3/4		7 3/4		7 3/4		7 3/4		7 3/4	
8	1,739.22	8	1,377.94	8	1,016.58	8	675.06	8	317.14	8		8		8		8		8	
8 1/4	1,731.74	8 1/4	1,370.41	8 1/4	1,009.06	8 1/4	668.02	8 1/4	309.60	8 1/4		8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	1,724.28	8 1/2	1,362.88	8 1/2	1,001.53	8 1/2	660.97	8 1/2	302.06	8 1/2		8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	1,716.73	8 3/4	1,355.35	8 3/4	994.01	8 3/4	653.91	8 3/4	294.53	8 3/4		8 3/4		8 3/4		8 3/4		8 3/4	
9	1,709.20	9	1,347.82	9	986.49	9	646.85	9	286.99	9		9		9		9		9	
9 1/4	1,701.67	9 1/4	1,340.29	9 1/4	978.96	9 1/4	639.78	9 1/4	279.45	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	1,694.14	9 1/2	1,332.76	9 1/2	971.44	9 1/2	632.72	9 1/2	271.91	9 1/2		9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	1,686.61	9 3/4	1,325.23	9 3/4	964.15	9 3/4	625.42	9 3/4	264.38	9 3/4		9 3/4		9 3/4		9 3/4		9 3/4	
10	1,679.08	10	1,317.71	10	956.86	10	618.11	10	256.84	10		10		10		10		10	
10 1/4	1,671.55	10 1/4	1,310.18	10 1/4	949.57	10 1/4	610.81	10 1/4	249.30	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	1,664.03	10 1/2	1,302.65	10 1/2	942.28	10 1/2	603.51	10 1/2	241.77	10 1/2		10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	1,656.50	10 3/4	1,295.12	10 3/4	935.23	10 3/4	595.97	10 3/4	234.23	10 3/4		10 3/4		10 3/4		10 3/4		10 3/4	
11	1,648.97	11	1,287.59	11	928.17	11	588.43	11	226.69	11		11		11		11		11	
11 1/4	1,641.44	11 1/4	1,280.06	11 1/4	921.12	11 1/4	580.90	11 1/4	219.15	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	1,633.91	11 1/2	1,272.53	11 1/2	914.07	11 1/2	573.36	11 1/2	211.62	11 1/2		11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	1,626.38	11 3/4	1,265.00	11 3/4	907.03	11 3/4	565.82	11 3/4	204.08	11 3/4		11 3/4		11 3/4		11 3/4		11 3/4	
12	1,618.85	12	1,257.47	12	900.00	12	558.29	12	196.54	12		12		12		12		12	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/28/2024, J8
CALCULATED: 08/29/2024, CL
PRINTED: 08/29/2024, SW
CANCELLED AND SUPERCEDED
ALL PRIOR TO 08/2024

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Portland, Texas 77568

For [Signature]