



BARGE "EMS 3056"

ULLAGE TRIM TABLE
HERMETIC

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-00"

April 17, 2024

PRECISION MEASUREMENT
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P.O. Box 2092
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BARGE "EMS 3056"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11-1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4
0	0	4,494.64	0	4,184.89	0	3,855.46	0	3,524.79	0	3,194.11	0	2,863.43	0	2,532.76	0	2,202.07	0	1,871.18	0
1/4	1/4	4,490.42	1/4	4,178.03	1/4	3,848.57	1/4	3,517.90	1/4	3,187.22	1/4	2,856.54	1/4	2,525.87	1/4	2,195.18	1/4	1,864.28	1/4
1/2	1/2	4,486.19	1/2	4,171.18	1/2	3,841.69	1/2	3,511.01	1/2	3,180.33	1/2	2,849.65	1/2	2,518.98	1/2	2,188.29	1/2	1,857.39	1/2
3/4	3/4	4,481.97	3/4	4,164.32	3/4	3,834.80	3/4	3,504.12	3/4	3,173.44	3/4	2,842.77	3/4	2,512.09	3/4	2,181.39	3/4	1,850.50	3/4
1	1	4,477.75	1	4,157.46	1	3,827.91	1	3,497.23	1	3,166.55	1	2,835.88	1	2,505.20	1	2,174.50	1	1,843.60	1
1/4	1/4	4,472.37	1/4	4,150.61	1/4	3,821.02	1/4	3,490.34	1/4	3,159.66	1/4	2,828.99	1/4	2,498.31	1/4	2,167.61	1/4	1,836.71	1/4
1/2	1/2	4,467.00	1/2	4,143.75	1/2	3,814.13	1/2	3,483.45	1/2	3,152.22	1/2	2,822.10	1/2	2,491.42	1/2	2,160.71	1/2	1,829.81	1/2
3/4	3/4	4,461.63	3/4	4,136.89	3/4	3,807.24	3/4	3,476.56	3/4	3,145.89	3/4	2,815.21	3/4	2,484.53	3/4	2,153.82	3/4	1,822.92	3/4
2	2	4,456.25	2	4,130.04	2	3,800.35	2	3,469.67	2	3,139.00	2	2,808.32	2	2,477.64	2	2,146.92	2	1,816.03	2
1/4	1/4	4,449.88	1/4	4,123.18	1/4	3,793.46	1/4	3,462.78	1/4	3,132.11	1/4	2,801.43	1/4	2,470.70	1/4	2,140.03	1/4	1,809.13	1/4
1/2	1/2	4,443.50	1/2	4,116.32	1/2	3,786.57	1/2	3,455.90	1/2	3,125.22	1/2	2,794.54	1/2	2,463.87	1/2	2,133.14	1/2	1,802.24	1/2
3/4	3/4	4,437.12	3/4	4,109.47	3/4	3,779.68	3/4	3,449.01	3/4	3,118.33	3/4	2,787.65	3/4	2,456.98	3/4	2,126.24	3/4	1,795.35	3/4
3	3	4,430.74	3	4,102.61	3	3,772.79	3	3,442.12	3	3,111.44	3	2,780.76	3	2,450.09	3	2,119.35	3	1,788.45	3
1/4	1/4	4,423.93	1/4	4,095.75	1/4	3,765.90	1/4	3,435.23	1/4	3,104.55	1/4	2,773.87	1/4	2,443.20	1/4	2,114.46	1/4	1,781.56	1/4
1/2	1/2	4,417.13	1/2	4,088.90	1/2	3,759.02	1/2	3,428.34	1/2	3,097.66	1/2	2,766.99	1/2	2,436.31	1/2	2,105.56	1/2	1,774.66	1/2
3/4	3/4	4,410.32	3/4	4,082.04	3/4	3,752.13	3/4	3,421.45	3/4	3,090.77	3/4	2,760.10	3/4	2,429.42	3/4	2,098.67	3/4	1,767.77	3/4
4	4	4,403.51	4	4,075.18	4	3,745.24	4	3,414.56	4	3,083.88	4	2,753.21	4	2,422.53	4	2,091.77	4	1,760.88	4
1/4	1/4	4,396.71	1/4	4,068.33	1/4	3,738.35	1/4	3,407.67	1/4	3,076.99	1/4	2,746.32	1/4	2,415.64	1/4	2,084.88	1/4	1,753.98	1/4
1/2	1/2	4,389.90	1/2	4,061.47	1/2	3,731.46	1/2	3,400.78	1/2	3,070.11	1/2	2,739.43	1/2	2,408.75	1/2	2,077.99	1/2	1,747.09	1/2
3/4	3/4	4,383.10	3/4	4,054.61	3/4	3,724.57	3/4	3,393.89	3/4	3,063.22	3/4	2,732.54	3/4	2,401.86	3/4	2,071.09	3/4	1,740.20	3/4
5	5	4,376.30	5	4,047.76	5	3,717.68	5	3,387.00	5	3,056.33	5	2,725.65	5	2,394.97	5	2,064.20	5	1,733.30	5
1/4	1/4	4,369.49	1/4	4,040.90	1/4	3,710.79	1/4	3,380.12	1/4	3,049.44	1/4	2,718.76	1/4	2,388.08	1/4	2,057.31	1/4	1,726.41	1/4
1/2	1/2	4,362.69	1/2	4,034.04	1/2	3,703.90	1/2	3,373.23	1/2	3,042.55	1/2	2,711.87	1/2	2,381.20	1/2	2,050.41	1/2	1,719.52	1/2
3/4	3/4	4,355.88	3/4	4,027.19	3/4	3,697.01	3/4	3,366.34	3/4	3,035.66	3/4	2,704.98	3/4	2,374.31	3/4	2,043.52	3/4	1,712.62	3/4
6	6	4,349.08	6	4,020.33	6	3,690.12	6	3,359.45	6	3,028.77	6	2,698.09	6	2,367.42	6	2,036.63	6	1,705.73	6
1/4	1/4	4,342.27	1/4	4,013.47	1/4	3,683.24	1/4	3,352.56	1/4	3,021.88	1/4	2,691.21	1/4	2,360.53	1/4	2,029.73	1/4	1,698.83	1/4
1/2	1/2	4,335.47	1/2	4,006.62	1/2	3,676.35	1/2	3,345.67	1/2	3,014.99	1/2	2,684.32	1/2	2,353.64	1/2	2,022.84	1/2	1,691.94	1/2
3/4	3/4	4,328.67	3/4	3,999.76	3/4	3,669.46	3/4	3,338.78	3/4	3,008.10	3/4	2,677.43	3/4	2,346.75	3/4	2,015.94	3/4	1,685.05	3/4
7	7	4,321.86	7	3,992.90	7	3,662.57	7	3,331.89	7	3,001.21	7	2,670.54	7	2,339.86	7	2,009.05	7	1,678.15	7
1/4	1/4	4,315.05	1/4	3,986.05	1/4	3,655.68	1/4	3,325.00	1/4	2,994.33	1/4	2,663.65	1/4	2,332.97	1/4	2,002.16	1/4	1,671.26	1/4
1/2	1/2	4,308.23	1/2	3,979.19	1/2	3,648.79	1/2	3,318.11	1/2	2,987.44	1/2	2,656.76	1/2	2,326.08	1/2	1,995.26	1/2	1,664.37	1/2
3/4	3/4	4,301.41	3/4	3,972.33	3/4	3,641.90	3/4	3,311.22	3/4	2,980.55	3/4	2,649.87	3/4	2,319.19	3/4	1,988.37	3/4	1,657.47	3/4
8	8	4,294.59	8	3,965.48	8	3,635.01	8	3,304.34	8	2,973.66	8	2,642.98	8	2,312.30	8	1,981.48	8	1,650.58	8
1/4	1/4	4,287.74	1/4	3,958.62	1/4	3,628.12	1/4	3,297.45	1/4	2,966.77	1/4	2,636.09	1/4	2,305.42	1/4	1,974.58	1/4	1,643.68	1/4
1/2	1/2	4,280.88	1/2	3,951.76	1/2	3,621.23	1/2	3,290.56	1/2	2,959.88	1/2	2,629.20	1/2	2,298.53	1/2	1,967.69	1/2	1,636.79	1/2
3/4	3/4	4,274.03	3/4	3,944.91	3/4	3,614.34	3/4	3,283.67	3/4	2,952.99	3/4	2,622.31	3/4	2,291.64	3/4	1,960.79	3/4	1,629.90	3/4
9	9	4,267.17	9	3,938.05	9	3,607.46	9	3,276.78	9	2,946.10	9	2,615.43	9	2,284.75	9	1,953.90	9	1,623.00	9
1/4	1/4	4,260.31	1/4	3,931.18	1/4	3,600.57	1/4	3,269.89	1/4	2,939.21	1/4	2,608.54	1/4	2,277.86	1/4	1,947.01	1/4	1,616.11	1/4
1/2	1/2	4,253.46	1/2	3,924.31	1/2	3,593.68	1/2	3,263.00	1/2	2,932.32	1/2	2,601.65	1/2	2,270.97	1/2	1,940.11	1/2	1,609.22	1/2
3/4	3/4	4,246.60	3/4	3,917.44	3/4	3,586.79	3/4	3,256.11	3/4	2,925.43	3/4	2,594.76	3/4	2,264.08	3/4	1,933.22	3/4	1,602.32	3/4
10	10	4,239.74	10	3,910.58	10	3,579.90	10	3,249.22	10	2,918.55	10	2,587.87	10	2,257.19	10	1,926.33	10	1,595.43	10
1/4	1/4	4,232.89	1/4	3,903.69	1/4	3,573.01	1/4	3,242.33	1/4	2,911.66	1/4	2,580.98	1/4	2,250.30	1/4	1,919.43	1/4	1,588.53	1/4
1/2	1/2	4,226.03	1/2	3,896.80	1/2	3,566.12	1/2	3,235.44	1/2	2,904.77	1/2	2,574.09	1/2	2,243.41	1/2	1,912.54	1/2	1,581.64	1/2
3/4	3/4	4,219.17	3/4	3,889.91	3/4	3,559.23	3/4	3,228.56	3/4	2,897.88	3/4	2,567.20	3/4	2,236.52	3/4	1,905.64	3/4	1,574.75	3/4
11	11	4,212.32	11	3,883.02	11	3,552.34	11	3,221.67	11	2,890.99	11	2,560.31	11	2,229.64	11	1,898.75	11	1,567.85	11
1/4	1/4	4,205.46	1/4	3,876.13	1/4	3,545.45	1/4	3,214.78	1/4	2,884.10	1/4	2,553.42	1/4	2,222.75	1/4	1,891.86	1/4	1,560.96	1/4
1/2	1/2	4,198.60	1/2	3,869.24	1/2	3,538.56	1/2	3,207.89	1/2	2,877.21	1/2	2,546.53	1/2	2,215.85	1/2	1,884.96	1/2	1,554.07	1/2
3/4	3/4	4,191.75	3/4	3,862.35	3/4	3,531.68	3/4	3,201.00	3/4	2,870.32	3/4	2,539.65	3/4	2,208.96	3/4	1,878.07	3/4	1,547.17	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3056"

1 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,540.28	0	1,210.19	0	881.09	0	561.42	0	265.88	0	0	0	0	0	0	0	0	0	0	0
1/4	1,533.39	1/4	1,203.30	1/4	874.27	1/4	554.98	1/4	259.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,526.49	1/2	1,196.41	1/2	867.45	1/2	548.55	1/2	254.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,519.60	3/4	1,189.51	3/4	860.62	3/4	542.12	3/4	248.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,512.70	1	1,182.62	1	853.80	1	535.69	1	242.34	1	1	1	1	1	1	1	1	1	1	1
1/4	1,505.81	1/4	1,175.72	1/4	847.01	1/4	529.29	1/4	236.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,498.92	1/2	1,168.83	1/2	840.21	1/2	522.89	1/2	230.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,492.02	3/4	1,161.94	3/4	833.42	3/4	516.49	3/4	224.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,485.13	2	1,155.04	2	826.63	2	510.09	2	219.17	2	2	2	2	2	2	2	2	2	2	2
1/4	1,478.24	1/4	1,148.15	1/4	819.87	1/4	503.73	1/4	213.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,471.34	1/2	1,141.26	1/2	813.11	1/2	497.37	1/2	207.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,464.45	3/4	1,134.36	3/4	806.36	3/4	491.02	3/4	201.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,457.55	3	1,127.47	3	799.60	3	484.66	3	196.03	3	3	3	3	3	3	3	3	3	3	3
1/4	1,450.66	1/4	1,120.57	1/4	792.88	1/4	478.34	1/4	190.18	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,443.77	1/2	1,113.68	1/2	786.15	1/2	472.03	1/2	184.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,436.87	3/4	1,106.79	3/4	779.42	3/4	465.71	3/4	178.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,429.98	4	1,099.89	4	772.70	4	459.39	4	172.63	4	4	4	4	4	4	4	4	4	4	4
1/4	1,423.09	1/4	1,093.01	1/4	765.99	1/4	453.12	1/4	166.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,416.19	1/2	1,086.13	1/2	759.29	1/2	446.84	1/2	161.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,409.30	3/4	1,079.25	3/4	752.59	3/4	440.56	3/4	155.20	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,402.40	5	1,072.37	5	745.88	5	434.29	5	149.39	5	5	5	5	5	5	5	5	5	5	5
1/4	1,395.52	1/4	1,065.53	1/4	739.18	1/4	428.04	1/4	143.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,388.63	1/2	1,058.69	1/2	732.48	1/2	421.80	1/2	137.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,381.75	3/4	1,051.84	3/4	725.77	3/4	415.56	3/4	132.18	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,374.86	6	1,045.00	6	719.07	6	409.31	6	126.45	6	6	6	6	6	6	6	6	6	6	6
1/4	1,368.00	1/4	1,038.17	1/4	712.40	1/4	403.15	1/4	120.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,361.14	1/2	1,031.34	1/2	705.73	1/2	396.98	1/2	115.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,354.28	3/4	1,024.51	3/4	699.06	3/4	390.81	3/4	109.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,347.42	7	1,017.68	7	692.40	7	384.64	7	104.06	7	7	7	7	7	7	7	7	7	7	7
1/4	1,340.56	1/4	1,010.85	1/4	685.77	1/4	378.61	1/4	98.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,333.70	1/2	1,004.01	1/2	679.14	1/2	372.59	1/2	92.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,326.84	3/4	997.18	3/4	672.51	3/4	366.56	3/4	87.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,319.98	8	990.35	8	665.89	8	360.53	8	81.80	8	8	8	8	8	8	8	8	8	8	8
1/4	1,313.12	1/4	983.52	1/4	659.30	1/4	354.54	1/4	76.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,306.26	1/2	976.70	1/2	652.72	1/2	348.55	1/2	71.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,299.40	3/4	969.87	3/4	646.13	3/4	342.55	3/4	65.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,292.54	9	963.04	9	639.54	9	336.56	9	60.28	9	9	9	9	9	9	9	9	9	9	9
1/4	1,285.68	1/4	956.21	1/4	633.00	1/4	330.61	1/4	55.66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,278.83	1/2	949.38	1/2	626.45	1/2	324.67	1/2	51.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,271.97	3/4	942.55	3/4	619.90	3/4	318.72	3/4	46.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,265.11	10	935.72	10	613.36	10	312.77	10	41.80	10	10	10	10	10	10	10	10	10	10	10
1/4	1,258.25	1/4	928.89	1/4	606.84	1/4	306.86	1/4	38.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,251.39	1/2	922.06	1/2	600.33	1/2	300.96	1/2	34.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,244.53	3/4	915.24	3/4	593.82	3/4	295.05	3/4	31.48	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,237.67	11	908.41	11	587.31	11	289.15	11	28.04	11	11	11	11	11	11	11	11	11	11	11
1/4	1,230.80	1/4	901.58	1/4	580.83	1/4	283.28	1/4	25.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,223.93	1/2	894.75	1/2	574.36	1/2	277.41	1/2	22.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,217.06	3/4	887.92	3/4	567.89	3/4	271.54	3/4	20.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/17/2024 CI
 CALCULATED: 04/17/2024 JS
 PRINTED: 04/17/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2089
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3056"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11-1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4
0	0	4,501.02	0	4,190.91	0	3,861.13	0	3,530.07	0	3,199.01	0	2,867.94	0	2,536.88	0	2,205.82	0	1,874.54	0
1/4	1/4	4,496.79	1/4	4,184.05	1/4	3,854.23	1/4	3,523.17	1/4	3,192.11	1/4	2,861.05	1/4	2,529.99	1/4	2,198.91	1/4	1,867.64	1/4
1/2	1/2	4,492.56	1/2	4,177.19	1/2	3,847.33	1/2	3,516.27	1/2	3,185.21	1/2	2,854.15	1/2	2,523.09	1/2	2,192.01	1/2	1,860.74	1/2
3/4	3/4	4,488.33	3/4	4,170.32	3/4	3,840.44	3/4	3,509.37	3/4	3,178.31	3/4	2,847.25	3/4	2,516.19	3/4	2,185.11	3/4	1,853.83	3/4
1	1	4,484.11	1	4,163.46	1	3,833.54	1	3,502.48	1	3,171.42	1	2,840.36	1	2,509.30	1	2,178.21	1	1,846.93	1
1/4	1/4	4,478.73	1/4	4,156.59	1/4	3,826.64	1/4	3,495.58	1/4	3,164.52	1/4	2,833.46	1/4	2,502.40	1/4	2,171.31	1/4	1,840.03	1/4
1/2	1/2	4,473.35	1/2	4,149.73	1/2	3,819.74	1/2	3,488.68	1/2	3,157.66	1/2	2,826.50	1/2	2,495.50	1/2	2,164.41	1/2	1,833.13	1/2
3/4	3/4	4,467.97	3/4	4,142.86	3/4	3,812.85	3/4	3,481.79	3/4	3,150.73	3/4	2,819.66	3/4	2,488.60	3/4	2,157.50	3/4	1,826.23	3/4
2	2	4,462.59	2	4,136.00	2	3,805.95	2	3,474.89	2	3,143.83	2	2,812.77	2	2,481.71	2	2,150.60	2	1,819.33	2
1/4	1/4	4,456.21	1/4	4,129.13	1/4	3,799.05	1/4	3,467.99	1/4	3,136.93	1/4	2,805.87	1/4	2,474.81	1/4	2,143.70	1/4	1,812.42	1/4
1/2	1/2	4,449.82	1/2	4,122.27	1/2	3,792.16	1/2	3,461.09	1/2	3,130.03	1/2	2,798.97	1/2	2,467.91	1/2	2,136.80	1/2	1,805.52	1/2
3/4	3/4	4,443.44	3/4	4,115.40	3/4	3,785.26	3/4	3,454.20	3/4	3,123.14	3/4	2,792.08	3/4	2,461.02	3/4	2,129.90	3/4	1,798.62	3/4
3	3	4,437.05	3	4,108.54	3	3,778.36	3	3,447.30	3	3,116.24	3	2,785.18	3	2,454.12	3	2,123.00	3	1,791.72	3
1/4	1/4	4,430.24	1/4	4,101.68	1/4	3,771.46	1/4	3,440.40	1/4	3,109.34	1/4	2,778.28	1/4	2,447.22	1/4	2,116.09	1/4	1,784.82	1/4
1/2	1/2	4,423.42	1/2	4,094.81	1/2	3,764.57	1/2	3,433.51	1/2	3,102.45	1/2	2,771.38	1/2	2,440.32	1/2	2,109.19	1/2	1,777.92	1/2
3/4	3/4	4,416.61	3/4	4,087.95	3/4	3,757.67	3/4	3,426.61	3/4	3,095.55	3/4	2,764.49	3/4	2,433.43	3/4	2,102.29	3/4	1,771.01	3/4
4	4	4,409.79	4	4,081.08	4	3,750.77	4	3,419.71	4	3,088.65	4	2,757.59	4	2,426.53	4	2,095.39	4	1,764.11	4
1/4	1/4	4,402.98	1/4	4,074.22	1/4	3,743.88	1/4	3,412.82	1/4	3,081.75	1/4	2,750.69	1/4	2,419.63	1/4	2,088.49	1/4	1,757.21	1/4
1/2	1/2	4,396.17	1/2	4,067.35	1/2	3,736.98	1/2	3,405.92	1/2	3,074.86	1/2	2,743.80	1/2	2,412.74	1/2	2,081.59	1/2	1,750.31	1/2
3/4	3/4	4,389.35	3/4	4,060.49	3/4	3,730.08	3/4	3,399.02	3/4	3,067.96	3/4	2,736.90	3/4	2,405.84	3/4	2,074.68	3/4	1,743.41	3/4
5	5	4,382.54	5	4,053.62	5	3,723.18	5	3,392.12	5	3,061.06	5	2,730.00	5	2,398.94	5	2,067.78	5	1,736.51	5
1/4	1/4	4,375.73	1/4	4,046.76	1/4	3,716.29	1/4	3,385.23	1/4	3,054.17	1/4	2,723.11	1/4	2,392.04	1/4	2,060.88	1/4	1,729.60	1/4
1/2	1/2	4,368.92	1/2	4,039.90	1/2	3,709.39	1/2	3,378.33	1/2	3,047.27	1/2	2,716.21	1/2	2,385.15	1/2	2,053.98	1/2	1,722.70	1/2
3/4	3/4	4,362.10	3/4	4,033.03	3/4	3,702.49	3/4	3,371.43	3/4	3,040.37	3/4	2,709.31	3/4	2,378.25	3/4	2,047.08	3/4	1,715.80	3/4
6	6	4,355.29	6	4,026.17	6	3,695.60	6	3,364.54	6	3,033.47	6	2,702.41	6	2,371.35	6	2,040.18	6	1,708.90	6
1/4	1/4	4,348.48	1/4	4,019.30	1/4	3,688.70	1/4	3,357.64	1/4	3,026.58	1/4	2,695.52	1/4	2,364.46	1/4	2,033.28	1/4	1,702.00	1/4
1/2	1/2	4,341.67	1/2	4,012.44	1/2	3,681.80	1/2	3,350.74	1/2	3,019.68	1/2	2,688.62	1/2	2,357.56	1/2	2,026.37	1/2	1,695.10	1/2
3/4	3/4	4,334.86	3/4	4,005.57	3/4	3,674.91	3/4	3,343.84	3/4	3,012.78	3/4	2,681.72	3/4	2,350.66	3/4	2,019.47	3/4	1,688.20	3/4
7	7	4,328.04	7	3,998.71	7	3,668.01	7	3,336.95	7	3,005.89	7	2,674.83	7	2,343.76	7	2,012.57	7	1,681.29	7
1/4	1/4	4,321.22	1/4	3,991.84	1/4	3,661.11	1/4	3,330.05	1/4	2,998.99	1/4	2,667.93	1/4	2,336.87	1/4	2,005.67	1/4	1,674.39	1/4
1/2	1/2	4,314.40	1/2	3,984.98	1/2	3,654.21	1/2	3,323.15	1/2	2,992.09	1/2	2,661.03	1/2	2,329.97	1/2	1,998.77	1/2	1,667.49	1/2
3/4	3/4	4,307.57	3/4	3,978.11	3/4	3,647.32	3/4	3,316.26	3/4	2,985.20	3/4	2,654.13	3/4	2,323.07	3/4	1,991.87	3/4	1,660.59	3/4
8	8	4,300.75	8	3,971.25	8	3,640.42	8	3,309.36	8	2,978.30	8	2,647.24	8	2,316.18	8	1,984.96	8	1,653.69	8
1/4	1/4	4,293.88	1/4	3,964.39	1/4	3,633.52	1/4	3,302.46	1/4	2,971.40	1/4	2,640.34	1/4	2,309.28	1/4	1,978.06	1/4	1,646.79	1/4
1/2	1/2	4,287.02	1/2	3,957.52	1/2	3,626.63	1/2	3,295.56	1/2	2,964.50	1/2	2,633.44	1/2	2,302.38	1/2	1,971.16	1/2	1,639.88	1/2
3/4	3/4	4,280.15	3/4	3,950.66	3/4	3,619.73	3/4	3,288.67	3/4	2,957.61	3/4	2,626.55	3/4	2,295.49	3/4	1,964.26	3/4	1,632.98	3/4
9	9	4,273.29	9	3,943.79	9	3,612.83	9	3,281.77	9	2,950.71	9	2,619.65	9	2,288.59	9	1,957.36	9	1,626.08	9
1/4	1/4	4,266.42	1/4	3,936.92	1/4	3,605.93	1/4	3,274.87	1/4	2,943.81	1/4	2,612.75	1/4	2,281.69	1/4	1,950.46	1/4	1,619.18	1/4
1/2	1/2	4,259.56	1/2	3,930.05	1/2	3,599.04	1/2	3,267.98	1/2	2,936.92	1/2	2,605.85	1/2	2,274.79	1/2	1,943.55	1/2	1,612.28	1/2
3/4	3/4	4,252.69	3/4	3,923.18	3/4	3,592.14	3/4	3,261.08	3/4	2,930.02	3/4	2,598.96	3/4	2,267.90	3/4	1,936.65	3/4	1,605.38	3/4
10	10	4,245.83	10	3,916.30	10	3,585.24	10	3,254.18	10	2,923.12	10	2,592.06	10	2,261.00	10	1,929.75	10	1,598.47	10
1/4	1/4	4,238.97	1/4	3,909.41	1/4	3,578.35	1/4	3,247.28	1/4	2,916.22	1/4	2,585.16	1/4	2,254.10	1/4	1,922.85	1/4	1,591.57	1/4
1/2	1/2	4,232.10	1/2	3,902.51	1/2	3,571.45	1/2	3,240.39	1/2	2,909.33	1/2	2,578.27	1/2	2,247.21	1/2	1,915.95	1/2	1,584.67	1/2
3/4	3/4	4,225.24	3/4	3,895.61	3/4	3,564.55	3/4	3,233.49	3/4	2,902.43	3/4	2,571.37	3/4	2,240.31	3/4	1,909.05	3/4	1,577.77	3/4
11	11	4,218.37	11	3,888.72	11	3,557.65	11	3,226.59	11	2,895.53	11	2,564.47	11	2,233.41	11	1,902.14	11	1,570.87	11
1/4	1/4	4,211.51	1/4	3,881.82	1/4	3,550.76	1/4	3,219.70	1/4	2,888.64	1/4	2,556.54	1/4	2,226.51	1/4	1,895.24	1/4	1,563.97	1/4
1/2	1/2	4,204.64	1/2	3,874.92	1/2	3,543.86	1/2	3,212.80	1/2	2,881.74	1/2	2,550.68	1/2	2,219.61	1/2	1,888.34	1/2	1,557.06	1/2
3/4	3/4	4,197.78	3/4	3,868.02	3/4	3,536.96	3/4	3,205.90	3/4	2,874.84	3/4	2,543.78	3/4	2,212.71	3/4	1,881.44	3/4	1,550.16	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3056"

1 STBD 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,543.26	0	1,212.80	0	882.62	0	562.11	0	266.01	0	0	0	0	0	0	0	0	0	0
1/4	1,536.36	1/4	1,205.89	1/4	875.76	1/4	859.23	1/4	842.70	1/4	826.17	1/4	809.64	1/4	793.11	1/4	776.58	1/4	760.05
1/2	1,529.46	1/2	1,198.99	1/2	868.91	1/2	852.38	1/2	835.85	1/2	819.32	1/2	802.79	1/2	786.26	1/2	769.73	1/2	753.20
3/4	1,522.56	3/4	1,192.09	3/4	862.05	3/4	845.52	3/4	828.99	3/4	812.46	3/4	795.93	3/4	779.40	3/4	762.87	3/4	746.34
1	1,515.66	1	1,185.19	1	855.20	1	838.67	1	822.14	1	805.61	1	789.08	1	772.55	1	756.02	1	739.49
1/4	1,508.75	1/4	1,178.29	1/4	848.37	1/4	831.84	1/4	815.31	1/4	798.78	1/4	782.25	1/4	765.72	1/4	749.19	1/4	732.66
1/2	1,501.85	1/2	1,171.39	1/2	841.55	1/2	825.02	1/2	808.49	1/2	791.96	1/2	775.43	1/2	758.90	1/2	742.37	1/2	725.84
3/4	1,494.95	3/4	1,164.48	3/4	834.72	3/4	818.19	3/4	801.66	3/4	785.13	3/4	768.60	3/4	752.07	3/4	735.54	3/4	719.01
2	1,488.05	2	1,157.58	2	827.89	2	811.36	2	794.83	2	778.30	2	761.77	2	745.24	2	728.71	2	712.18
1/4	1,481.15	1/4	1,150.68	1/4	821.11	1/4	804.58	1/4	788.05	1/4	771.52	1/4	754.99	1/4	738.46	1/4	721.93	1/4	705.40
1/2	1,474.25	1/2	1,143.78	1/2	814.32	1/2	797.79	1/2	781.26	1/2	764.73	1/2	748.20	1/2	731.67	1/2	715.14	1/2	698.61
3/4	1,467.34	3/4	1,136.88	3/4	807.53	3/4	790.94	3/4	774.41	3/4	757.88	3/4	741.35	3/4	724.82	3/4	708.29	3/4	691.76
3	1,460.44	3	1,129.98	3	800.74	3	784.21	3	767.68	3	751.15	3	734.62	3	718.09	3	701.56	3	685.03
1/4	1,453.54	1/4	1,123.07	1/4	793.98	1/4	777.45	1/4	760.92	1/4	744.39	1/4	727.86	1/4	711.33	1/4	694.80	1/4	678.27
1/2	1,446.64	1/2	1,116.17	1/2	787.23	1/2	770.70	1/2	754.17	1/2	737.64	1/2	721.11	1/2	704.58	1/2	688.05	1/2	671.52
3/4	1,439.74	3/4	1,109.27	3/4	780.47	3/4	763.94	3/4	747.41	3/4	730.88	3/4	714.35	3/4	697.82	3/4	681.29	3/4	664.76
4	1,432.84	4	1,102.37	4	773.71	4	757.18	4	740.65	4	724.12	4	707.59	4	691.06	4	674.53	4	658.00
1/4	1,425.93	1/4	1,095.47	1/4	766.98	1/4	750.45	1/4	733.92	1/4	717.39	1/4	700.86	1/4	684.33	1/4	667.80	1/4	651.27
1/2	1,419.03	1/2	1,088.58	1/2	760.25	1/2	743.72	1/2	727.19	1/2	710.66	1/2	694.13	1/2	677.60	1/2	661.07	1/2	644.54
3/4	1,412.13	3/4	1,081.68	3/4	753.52	3/4	736.99	3/4	720.46	3/4	703.93	3/4	687.40	3/4	670.87	3/4	654.34	3/4	637.81
5	1,405.23	5	1,074.79	5	746.79	5	730.26	5	713.73	5	697.20	5	680.67	5	664.14	5	647.61	5	631.08
1/4	1,398.34	1/4	1,067.92	1/4	740.08	1/4	723.55	1/4	707.02	1/4	690.49	1/4	673.96	1/4	657.43	1/4	640.90	1/4	624.37
1/2	1,391.44	1/2	1,061.04	1/2	733.37	1/2	716.84	1/2	700.31	1/2	683.78	1/2	667.25	1/2	650.72	1/2	634.19	1/2	617.66
3/4	1,384.55	3/4	1,054.17	3/4	726.66	3/4	710.13	3/4	693.60	3/4	677.07	3/4	660.54	3/4	644.01	3/4	627.48	3/4	610.95
6	1,377.66	6	1,047.30	6	719.95	6	703.42	6	686.89	6	670.36	6	653.83	6	637.30	6	620.77	6	604.24
1/4	1,370.79	1/4	1,040.43	1/4	713.27	1/4	696.74	1/4	680.21	1/4	663.68	1/4	647.15	1/4	630.62	1/4	614.09	1/4	597.56
1/2	1,363.92	1/2	1,033.57	1/2	706.59	1/2	690.06	1/2	673.53	1/2	657.00	1/2	640.47	1/2	623.94	1/2	607.41	1/2	590.88
3/4	1,357.05	3/4	1,026.70	3/4	699.92	3/4	683.39	3/4	666.86	3/4	650.33	3/4	633.80	3/4	617.27	3/4	600.74	3/4	584.21
7	1,350.19	7	1,019.84	7	693.24	7	676.71	7	660.18	7	643.65	7	627.12	7	610.59	7	594.06	7	577.53
1/4	1,343.32	1/4	1,012.98	1/4	686.61	1/4	670.08	1/4	653.55	1/4	637.02	1/4	620.49	1/4	603.96	1/4	587.43	1/4	570.90
1/2	1,336.45	1/2	1,006.12	1/2	679.97	1/2	663.44	1/2	646.91	1/2	630.38	1/2	613.85	1/2	597.32	1/2	580.79	1/2	564.26
3/4	1,329.58	3/4	999.25	3/4	673.34	3/4	656.81	3/4	640.28	3/4	623.75	3/4	607.22	3/4	590.69	3/4	574.16	3/4	557.63
8	1,322.72	8	992.39	8	666.70	8	650.17	8	633.64	8	617.11	8	600.58	8	584.05	8	567.52	8	550.99
1/4	1,315.85	1/4	985.53	1/4	660.11	1/4	643.58	1/4	627.05	1/4	610.52	1/4	593.99	1/4	577.46	1/4	560.93	1/4	544.40
1/2	1,308.98	1/2	978.67	1/2	653.51	1/2	636.98	1/2	620.45	1/2	603.92	1/2	587.39	1/2	570.86	1/2	554.33	1/2	537.80
3/4	1,302.11	3/4	971.81	3/4	646.92	3/4	630.39	3/4	613.86	3/4	597.33	3/4	580.80	3/4	564.27	3/4	547.74	3/4	531.21
9	1,295.24	9	964.95	9	640.33	9	623.80	9	607.27	9	590.74	9	574.21	9	557.68	9	541.15	9	524.62
1/4	1,288.38	1/4	958.09	1/4	633.77	1/4	617.24	1/4	600.71	1/4	584.18	1/4	567.65	1/4	551.12	1/4	534.59	1/4	518.06
1/2	1,281.51	1/2	951.22	1/2	627.22	1/2	610.69	1/2	594.16	1/2	577.63	1/2	561.10	1/2	544.57	1/2	528.04	1/2	511.51
3/4	1,274.64	3/4	944.36	3/4	620.66	3/4	604.13	3/4	587.60	3/4	571.07	3/4	554.54	3/4	538.01	3/4	521.48	3/4	504.95
10	1,267.77	10	937.50	10	614.11	10	597.58	10	581.05	10	564.52	10	547.99	10	531.46	10	514.93	10	498.40
1/4	1,260.90	1/4	930.64	1/4	607.59	1/4	591.06	1/4	574.53	1/4	558.00	1/4	541.47	1/4	524.94	1/4	508.41	1/4	491.88
1/2	1,254.04	1/2	923.78	1/2	601.07	1/2	584.54	1/2	568.01	1/2	551.48	1/2	534.95	1/2	518.42	1/2	501.89	1/2	485.36
3/4	1,247.17	3/4	916.92	3/4	594.55	3/4	578.02	3/4	561.49	3/4	544.96	3/4	528.43	3/4	511.90	3/4	495.37	3/4	478.84
11	1,240.30	11	910.06	11	588.03	11	571.50	11	554.97	11	538.44	11	521.91	11	505.38	11	488.85	11	472.32
1/4	1,233.42	1/4	903.20	1/4	581.55	1/4	565.02	1/4	548.49	1/4	531.96	1/4	515.43	1/4	498.90	1/4	482.37	1/4	465.84
1/2	1,226.55	1/2	896.34	1/2	575.07	1/2	558.54	1/2	542.01	1/2	525.48	1/2	508.95	1/2	492.42	1/2	475.89	1/2	459.36
3/4	1,219.67	3/4	889.48	3/4	568.59	3/4	552.06	3/4	535.53	3/4	519.00	3/4	502.47	3/4	485.94	3/4	469.41	3/4	452.88

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/17/2024 CL
 CALCULATED: 04/17/2024 JS
 PRINTED: 04/17/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2082
 Pearland, Texas 77588
<http://www.bmacorp.net>



BARGE "EMS 3056"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11-1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	5,379.39	0	5,015.54	0	4,628.62	0	4,240.18	0	3,851.75	0	3,463.31	0	3,074.88	0	2,686.44	0	2,297.75	0
1/4	1/4	5,374.43	1/4	5,007.49	1/4	4,620.53	1/4	4,232.09	1/4	3,843.66	1/4	3,455.22	1/4	3,066.79	1/4	2,678.34	1/4	2,289.65	1/4
1/2	1/2	5,369.47	1/2	4,999.43	1/2	4,612.43	1/2	4,224.00	1/2	3,835.56	1/2	3,447.13	1/2	3,058.69	1/2	2,670.24	1/2	2,281.55	1/2
3/4	3/4	5,364.51	3/4	4,991.38	3/4	4,604.34	3/4	4,215.91	3/4	3,827.47	3/4	3,439.04	3/4	3,050.60	3/4	2,662.14	3/4	2,273.45	3/4
1	1	5,359.55	1	4,983.33	1	4,596.25	1	4,207.81	1	3,819.38	1	3,430.94	1	3,042.51	1	2,654.04	1	2,265.35	1
1/4	1/4	5,353.23	1/4	4,975.27	1/4	4,588.16	1/4	4,199.72	1/4	3,811.29	1/4	3,422.85	1/4	3,034.42	1/4	2,645.95	1/4	2,257.26	1/4
1/2	1/2	5,346.92	1/2	4,967.22	1/2	4,580.06	1/2	4,191.63	1/2	3,803.19	1/2	3,414.76	1/2	3,026.32	1/2	2,637.85	1/2	2,249.16	1/2
3/4	3/4	5,340.61	3/4	4,959.17	3/4	4,571.97	3/4	4,183.54	3/4	3,795.10	3/4	3,406.67	3/4	3,018.23	3/4	2,629.75	3/4	2,241.06	3/4
2	2	5,334.30	2	4,951.11	2	4,563.88	2	4,175.44	2	3,787.01	2	3,398.57	2	3,010.14	2	2,621.65	2	2,232.96	2
1/4	1/4	5,326.81	1/4	4,943.06	1/4	4,555.79	1/4	4,167.35	1/4	3,778.92	1/4	3,390.48	1/4	3,002.05	1/4	2,613.56	1/4	2,224.87	1/4
1/2	1/2	5,319.32	1/2	4,935.00	1/2	4,547.70	1/2	4,159.26	1/2	3,770.82	1/2	3,382.39	1/2	2,993.95	1/2	2,605.46	1/2	2,216.77	1/2
3/4	3/4	5,311.82	3/4	4,926.95	3/4	4,539.60	3/4	4,151.17	3/4	3,762.73	3/4	3,374.30	3/4	2,985.86	3/4	2,597.36	3/4	2,208.67	3/4
3	3	5,304.33	3	4,918.90	3	4,531.51	3	4,143.08	3	3,754.64	3	3,366.20	3	2,977.77	3	2,589.26	3	2,200.57	3
1/4	1/4	5,296.33	1/4	4,910.84	1/4	4,523.42	1/4	4,134.98	1/4	3,746.55	1/4	3,358.11	1/4	2,969.68	1/4	2,581.17	1/4	2,192.48	1/4
1/2	1/2	5,288.34	1/2	4,902.79	1/2	4,515.33	1/2	4,126.89	1/2	3,738.46	1/2	3,350.02	1/2	2,961.58	1/2	2,573.07	1/2	2,184.38	1/2
3/4	3/4	5,280.34	3/4	4,894.74	3/4	4,507.23	3/4	4,118.80	3/4	3,730.36	3/4	3,341.93	3/4	2,953.49	3/4	2,564.97	3/4	2,176.28	3/4
4	4	5,272.34	4	4,886.68	4	4,499.14	4	4,110.71	4	3,722.27	4	3,333.84	4	2,945.40	4	2,556.87	4	2,168.18	4
1/4	1/4	5,264.35	1/4	4,878.63	1/4	4,491.05	1/4	4,102.61	1/4	3,714.18	1/4	3,325.74	1/4	2,937.31	1/4	2,548.77	1/4	2,160.08	1/4
1/2	1/2	5,256.36	1/2	4,870.57	1/2	4,482.96	1/2	4,094.52	1/2	3,706.09	1/2	3,317.65	1/2	2,929.22	1/2	2,540.68	1/2	2,151.99	1/2
3/4	3/4	5,248.37	3/4	4,862.52	3/4	4,474.86	3/4	4,086.43	3/4	3,697.99	3/4	3,309.56	3/4	2,921.12	3/4	2,532.58	3/4	2,143.89	3/4
5	5	5,240.37	5	4,854.47	5	4,466.77	5	4,078.34	5	3,689.90	5	3,301.47	5	2,913.03	5	2,524.48	5	2,135.79	5
1/4	1/4	5,232.38	1/4	4,846.41	1/4	4,458.68	1/4	4,070.24	1/4	3,681.81	1/4	3,293.37	1/4	2,904.94	1/4	2,516.38	1/4	2,127.69	1/4
1/2	1/2	5,224.39	1/2	4,838.36	1/2	4,450.59	1/2	4,062.15	1/2	3,673.72	1/2	3,285.28	1/2	2,896.85	1/2	2,508.29	1/2	2,119.60	1/2
3/4	3/4	5,216.40	3/4	4,830.30	3/4	4,442.49	3/4	4,054.06	3/4	3,665.62	3/4	3,277.19	3/4	2,888.75	3/4	2,500.19	3/4	2,111.50	3/4
6	6	5,208.41	6	4,822.25	6	4,434.40	6	4,045.97	6	3,657.53	6	3,269.10	6	2,880.66	6	2,492.09	6	2,103.40	6
1/4	1/4	5,200.41	1/4	4,814.20	1/4	4,426.31	1/4	4,037.87	1/4	3,649.44	1/4	3,261.00	1/4	2,872.57	1/4	2,483.99	1/4	2,095.30	1/4
1/2	1/2	5,192.42	1/2	4,806.14	1/2	4,418.22	1/2	4,029.78	1/2	3,641.35	1/2	3,252.91	1/2	2,864.48	1/2	2,475.89	1/2	2,087.21	1/2
3/4	3/4	5,184.43	3/4	4,798.09	3/4	4,410.12	3/4	4,021.69	3/4	3,633.25	3/4	3,244.82	3/4	2,856.38	3/4	2,467.80	3/4	2,079.11	3/4
7	7	5,176.44	7	4,790.04	7	4,402.03	7	4,013.60	7	3,625.16	7	3,236.73	7	2,848.29	7	2,459.70	7	2,071.01	7
1/4	1/4	5,168.43	1/4	4,781.98	1/4	4,393.94	1/4	4,005.50	1/4	3,617.07	1/4	3,228.63	1/4	2,840.20	1/4	2,451.60	1/4	2,062.91	1/4
1/2	1/2	5,160.42	1/2	4,773.93	1/2	4,385.85	1/2	3,997.41	1/2	3,608.98	1/2	3,220.54	1/2	2,832.11	1/2	2,443.50	1/2	2,054.81	1/2
3/4	3/4	5,152.41	3/4	4,765.87	3/4	4,377.75	3/4	3,989.32	3/4	3,600.88	3/4	3,212.45	3/4	2,824.01	3/4	2,435.41	3/4	2,046.72	3/4
8	8	5,144.40	8	4,757.82	8	4,369.66	8	3,981.23	8	3,592.79	8	3,204.36	8	2,815.92	8	2,427.31	8	2,038.62	8
1/4	1/4	5,136.35	1/4	4,749.77	1/4	4,361.57	1/4	3,973.13	1/4	3,584.70	1/4	3,196.26	1/4	2,807.83	1/4	2,419.21	1/4	2,030.52	1/4
1/2	1/2	5,128.30	1/2	4,741.71	1/2	4,353.48	1/2	3,965.04	1/2	3,576.61	1/2	3,188.17	1/2	2,799.74	1/2	2,411.11	1/2	2,022.42	1/2
3/4	3/4	5,120.24	3/4	4,733.66	3/4	4,345.39	3/4	3,956.95	3/4	3,568.51	3/4	3,180.08	3/4	2,791.64	3/4	2,403.02	3/4	2,014.33	3/4
9	9	5,112.19	9	4,725.61	9	4,337.29	9	3,948.86	9	3,560.42	9	3,171.99	9	2,783.55	9	2,394.92	9	2,006.23	9
1/4	1/4	5,104.13	1/4	4,717.54	1/4	4,329.20	1/4	3,940.77	1/4	3,552.33	1/4	3,163.89	1/4	2,775.46	1/4	2,386.82	1/4	1,998.13	1/4
1/2	1/2	5,096.08	1/2	4,709.48	1/2	4,321.11	1/2	3,932.67	1/2	3,544.24	1/2	3,155.80	1/2	2,767.37	1/2	2,378.72	1/2	1,990.03	1/2
3/4	3/4	5,088.03	3/4	4,701.42	3/4	4,313.02	3/4	3,924.58	3/4	3,536.15	3/4	3,147.71	3/4	2,759.27	3/4	2,370.62	3/4	1,981.94	3/4
10	10	5,079.97	10	4,693.36	10	4,304.92	10	3,916.49	10	3,528.05	10	3,139.62	10	2,751.18	10	2,362.53	10	1,973.84	10
1/4	1/4	5,071.92	1/4	4,685.27	1/4	4,296.83	1/4	3,908.40	1/4	3,519.96	1/4	3,131.53	1/4	2,743.09	1/4	2,354.43	1/4	1,965.74	1/4
1/2	1/2	5,063.86	1/2	4,677.17	1/2	4,288.74	1/2	3,900.30	1/2	3,511.87	1/2	3,123.43	1/2	2,735.00	1/2	2,346.33	1/2	1,957.64	1/2
3/4	3/4	5,055.81	3/4	4,669.08	3/4	4,280.65	3/4	3,892.21	3/4	3,503.76	3/4	3,115.34	3/4	2,726.91	3/4	2,338.23	3/4	1,949.54	3/4
11	11	5,047.76	11	4,660.99	11	4,272.55	11	3,884.12	11	3,495.68	11	3,107.25	11	2,718.81	11	2,330.14	11	1,941.45	11
1/4	1/4	5,039.70	1/4	4,652.90	1/4	4,264.46	1/4	3,876.03	1/4	3,487.59	1/4	3,099.16	1/4	2,710.72	1/4	2,322.04	1/4	1,933.35	1/4
1/2	1/2	5,031.65	1/2	4,644.80	1/2	4,256.37	1/2	3,867.93	1/2	3,479.50	1/2	3,091.06	1/2	2,702.62	1/2	2,313.94	1/2	1,925.25	1/2
3/4	3/4	5,023.60	3/4	4,636.71	3/4	4,248.28	3/4	3,859.84	3/4	3,471.41	3/4	3,082.97	3/4	2,694.53	3/4	2,305.84	3/4	1,917.15	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED TO ULLAGE GAUGES TAKEN TO 48'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2082
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3056"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,909.06	0	1,524.85	0	1,143.22	0	759.21	0	374.06	0	0	0	0	0	0	0	0	0	0
1/4	1,900.96	1/4	1,516.75	1/4	1,135.37	1/4	751.12	1/4	366.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,892.86	1/2	1,508.65	1/2	1,127.52	1/2	743.02	1/2	358.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,884.76	3/4	1,500.56	3/4	1,119.67	3/4	734.92	3/4	350.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,876.67	1	1,492.46	1	1,111.82	1	726.83	1	342.34	1	1	1	1	1	1	1	1	1	1
1/4	1,868.57	1/4	1,484.36	1/4	1,103.97	1/4	718.73	1/4	334.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,860.47	1/2	1,476.26	1/2	1,096.12	1/2	710.64	1/2	326.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,852.37	3/4	1,468.17	3/4	1,088.26	3/4	702.54	3/4	318.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,844.27	2	1,460.07	2	1,080.41	2	694.45	2	310.62	2	2	2	2	2	2	2	2	2	2
1/4	1,836.18	1/4	1,451.97	1/4	1,072.56	1/4	686.35	1/4	302.66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,828.08	1/2	1,443.87	1/2	1,064.70	1/2	678.26	1/2	294.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,819.98	3/4	1,435.77	3/4	1,056.85	3/4	670.16	3/4	286.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,811.88	3	1,427.68	3	1,049.00	3	662.07	3	278.75	3	3	3	3	3	3	3	3	3	3
1/4	1,803.79	1/4	1,419.58	1/4	1,041.14	1/4	653.97	1/4	270.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,795.69	1/2	1,411.48	1/2	1,033.28	1/2	645.88	1/2	262.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,787.59	3/4	1,403.38	3/4	1,025.43	3/4	637.78	3/4	254.50	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,779.49	4	1,395.29	4	1,017.57	4	629.68	4	246.42	4	4	4	4	4	4	4	4	4	4
1/4	1,771.40	1/4	1,387.25	1/4	1,009.65	1/4	621.59	1/4	238.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,763.30	1/2	1,379.21	1/2	1,001.73	1/2	613.49	1/2	230.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,755.20	3/4	1,371.17	3/4	993.80	3/4	605.40	3/4	222.17	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,747.10	5	1,363.13	5	985.88	5	597.30	5	214.09	5	5	5	5	5	5	5	5	5	5
1/4	1,739.05	1/4	1,355.26	1/4	977.79	1/4	589.21	1/4	206.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,731.00	1/2	1,347.40	1/2	969.69	1/2	581.11	1/2	198.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,722.95	3/4	1,339.54	3/4	961.60	3/4	573.02	3/4	189.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,714.90	6	1,331.67	6	953.50	6	564.92	6	181.91	6	6	6	6	6	6	6	6	6	6
1/4	1,706.99	1/4	1,323.82	1/4	945.41	1/4	556.87	1/4	173.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,699.08	1/2	1,315.96	1/2	937.31	1/2	548.81	1/2	166.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,691.17	3/4	1,308.11	3/4	929.21	3/4	540.76	3/4	158.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,683.25	7	1,300.26	7	921.12	7	532.70	7	150.19	7	7	7	7	7	7	7	7	7	7
1/4	1,675.34	1/4	1,292.40	1/4	913.02	1/4	524.76	1/4	142.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,667.43	1/2	1,284.55	1/2	904.93	1/2	516.83	1/2	134.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,659.52	3/4	1,276.70	3/4	896.83	3/4	508.89	3/4	126.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,651.61	8	1,268.84	8	888.74	8	500.96	8	118.47	8	8	8	8	8	8	8	8	8	8
1/4	1,643.70	1/4	1,260.99	1/4	880.64	1/4	493.02	1/4	110.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,635.79	1/2	1,253.14	1/2	872.55	1/2	485.09	1/2	102.95	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,627.88	3/4	1,245.29	3/4	864.45	3/4	477.15	3/4	95.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,619.97	9	1,237.44	9	856.36	9	469.22	9	87.43	9	9	9	9	9	9	9	9	9	9
1/4	1,612.06	1/4	1,229.59	1/4	848.26	1/4	461.29	1/4	80.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,604.15	1/2	1,221.74	1/2	840.17	1/2	453.36	1/2	73.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,596.23	3/4	1,213.88	3/4	832.07	3/4	445.43	3/4	66.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,588.32	10	1,206.03	10	823.97	10	437.50	10	59.76	10	10	10	10	10	10	10	10	10	10
1/4	1,580.41	1/4	1,198.18	1/4	815.88	1/4	429.57	1/4	54.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,572.50	1/2	1,190.33	1/2	807.78	1/2	421.64	1/2	48.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,564.59	3/4	1,182.48	3/4	799.69	3/4	413.71	3/4	43.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,556.68	11	1,174.63	11	791.59	11	405.78	11	37.49	11	11	11	11	11	11	11	11	11	11
1/4	1,548.72	1/4	1,166.78	1/4	783.50	1/4	397.85	1/4	33.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,540.76	1/2	1,158.93	1/2	775.40	1/2	389.92	1/2	29.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,532.81	3/4	1,151.08	3/4	767.31	3/4	381.99	3/4	25.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/17/2024 CL
 CALCULATED: 04/17/2024 JS
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BARGE "EMS 3056"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	5,359.46	0	4,989.88	0	4,603.35	0	4,215.38	0	3,827.42	0	3,439.45	0	3,051.49	0	2,663.51	0	2,275.29	0	1,887.07
1/4	1/4	5,354.50	1/4	4,981.84	1/4	4,595.27	1/4	4,207.30	1/4	3,819.34	1/4	3,431.37	1/4	3,043.41	1/4	2,655.42	1/4	2,267.20	1/4	1,880.11
1/2	1/2	5,349.85	1/2	4,973.79	1/2	4,587.18	1/2	4,199.22	1/2	3,811.25	1/2	3,423.29	1/2	3,035.32	1/2	2,647.33	1/2	2,259.11	1/2	1,872.22
3/4	3/4	5,343.25	3/4	4,965.75	3/4	4,579.10	3/4	4,191.14	3/4	3,803.17	3/4	3,415.21	3/4	3,027.24	3/4	2,639.24	3/4	2,251.02	3/4	1,864.92
1	1	5,336.94	1	4,957.11	1	4,571.02	1	4,183.05	1	3,795.09	1	3,409.13	1	3,023.16	1	2,631.15	1	2,242.93	1	1,857.81
1/4	1/4	5,330.64	1/4	4,949.66	1/4	4,562.94	1/4	4,174.97	1/4	3,787.01	1/4	3,399.04	1/4	3,011.08	1/4	2,623.07	1/4	2,234.85	1/4	1,850.70
1/2	1/2	5,324.34	1/2	4,941.62	1/2	4,554.85	1/2	4,166.89	1/2	3,778.92	1/2	3,390.96	1/2	3,002.99	1/2	2,614.98	1/2	2,226.76	1/2	1,843.55
3/4	3/4	5,316.85	3/4	4,933.57	3/4	4,546.77	3/4	4,158.81	3/4	3,770.84	3/4	3,382.88	3/4	2,994.91	3/4	2,606.89	3/4	2,218.67	3/4	1,836.25
2	2	5,309.37	2	4,925.53	2	4,538.69	2	4,150.72	2	3,762.76	2	3,374.79	2	2,986.83	2	2,598.80	2	2,210.58	2	1,829.00
1/4	1/4	5,301.89	1/4	4,917.49	1/4	4,530.61	1/4	4,142.64	1/4	3,754.68	1/4	3,366.71	1/4	2,980.75	1/4	2,590.71	1/4	2,202.50	1/4	1,821.82
1/2	1/2	5,294.41	1/2	4,909.44	1/2	4,522.52	1/2	4,134.56	1/2	3,746.59	1/2	3,358.63	1/2	2,970.66	1/2	2,582.63	1/2	2,194.41	1/2	1,814.54
3/4	3/4	5,286.42	3/4	4,901.40	3/4	4,514.44	3/4	4,126.48	3/4	3,738.51	3/4	3,350.55	3/4	2,962.58	3/4	2,574.54	3/4	2,186.32	3/4	1,807.26
3	3	5,278.43	3	4,893.35	3	4,506.36	3	4,118.39	3	3,730.43	3	3,342.46	3	2,954.50	3	2,566.45	3	2,178.23	3	1,800.00
1/4	1/4	5,270.45	1/4	4,885.31	1/4	4,498.28	1/4	4,110.31	1/4	3,722.35	1/4	3,334.38	1/4	2,946.42	1/4	2,558.36	1/4	2,170.14	1/4	1,792.72
1/2	1/2	5,262.46	1/2	4,877.27	1/2	4,490.19	1/2	4,102.23	1/2	3,714.26	1/2	3,326.30	1/2	2,938.33	1/2	2,550.27	1/2	2,162.06	1/2	1,785.44
3/4	3/4	5,254.48	3/4	4,869.22	3/4	4,482.11	3/4	4,094.15	3/4	3,706.18	3/4	3,318.22	3/4	2,930.25	3/4	2,542.19	3/4	2,153.97	3/4	1,778.16
4	4	5,246.50	4	4,861.18	4	4,474.03	4	4,086.06	4	3,698.10	4	3,310.13	4	2,922.17	4	2,534.10	4	2,145.88	4	1,770.88
1/4	1/4	5,238.51	1/4	4,853.13	1/4	4,465.94	1/4	4,077.98	1/4	3,690.02	1/4	3,302.05	1/4	2,914.09	1/4	2,526.01	1/4	2,137.79	1/4	1,763.59
1/2	1/2	5,230.53	1/2	4,845.09	1/2	4,457.86	1/2	4,069.90	1/2	3,681.93	1/2	3,293.97	1/2	2,906.00	1/2	2,517.92	1/2	2,129.70	1/2	1,756.30
3/4	3/4	5,222.55	3/4	4,837.05	3/4	4,449.78	3/4	4,061.81	3/4	3,673.85	3/4	3,285.89	3/4	2,897.92	3/4	2,509.84	3/4	2,121.62	3/4	1,749.02
5	5	5,214.56	5	4,829.00	5	4,441.70	5	4,053.73	5	3,665.77	5	3,277.80	5	2,889.84	5	2,501.75	5	2,113.53	5	1,741.74
1/4	1/4	5,206.58	1/4	4,820.96	1/4	4,433.61	1/4	4,045.65	1/4	3,657.68	1/4	3,269.72	1/4	2,883.79	1/4	2,495.66	1/4	2,105.44	1/4	1,734.45
1/2	1/2	5,198.60	1/2	4,812.91	1/2	4,425.53	1/2	4,037.57	1/2	3,649.60	1/2	3,261.64	1/2	2,875.87	1/2	2,487.57	1/2	2,097.35	1/2	1,727.16
3/4	3/4	5,190.62	3/4	4,804.87	3/4	4,417.45	3/4	4,029.48	3/4	3,641.52	3/4	3,253.55	3/4	2,867.94	3/4	2,479.48	3/4	2,089.26	3/4	1,718.87
6	6	5,182.63	6	4,796.82	6	4,409.37	6	4,021.40	6	3,633.44	6	3,245.47	6	2,859.51	6	2,469.40	6	2,081.18	6	1,710.58
1/4	1/4	5,174.65	1/4	4,788.78	1/4	4,401.28	1/4	4,013.32	1/4	3,625.35	1/4	3,237.39	1/4	2,851.42	1/4	2,461.31	1/4	2,073.09	1/4	1,702.29
1/2	1/2	5,166.67	1/2	4,780.74	1/2	4,393.20	1/2	4,005.24	1/2	3,617.27	1/2	3,229.31	1/2	2,841.34	1/2	2,453.22	1/2	2,065.00	1/2	1,693.99
3/4	3/4	5,158.67	3/4	4,772.69	3/4	4,385.12	3/4	3,997.15	3/4	3,609.19	3/4	3,221.22	3/4	2,833.26	3/4	2,445.13	3/4	2,056.91	3/4	1,685.78
7	7	5,150.67	7	4,764.65	7	4,377.04	7	3,989.07	7	3,601.11	7	3,213.14	7	2,825.18	7	2,437.04	7	2,048.82	7	1,677.59
1/4	1/4	5,142.67	1/4	4,756.60	1/4	4,368.95	1/4	3,980.99	1/4	3,593.02	1/4	3,205.06	1/4	2,817.09	1/4	2,428.96	1/4	2,040.74	1/4	1,668.30
1/2	1/2	5,134.68	1/2	4,748.56	1/2	4,360.87	1/2	3,972.91	1/2	3,584.94	1/2	3,196.98	1/2	2,809.01	1/2	2,420.87	1/2	2,032.65	1/2	1,658.99
3/4	3/4	5,126.63	3/4	4,740.52	3/4	4,352.79	3/4	3,964.82	3/4	3,576.86	3/4	3,188.89	3/4	2,800.93	3/4	2,414.78	3/4	2,024.56	3/4	1,649.70
8	8	5,118.59	8	4,732.47	8	4,344.71	8	3,956.74	8	3,568.78	8	3,180.81	8	2,792.85	8	2,404.69	8	2,016.47	8	1,640.42
1/4	1/4	5,110.54	1/4	4,724.43	1/4	4,336.62	1/4	3,948.66	1/4	3,560.69	1/4	3,172.73	1/4	2,784.76	1/4	2,396.60	1/4	2,008.39	1/4	1,630.95
1/2	1/2	5,102.50	1/2	4,716.38	1/2	4,328.54	1/2	3,940.58	1/2	3,552.61	1/2	3,164.65	1/2	2,776.68	1/2	2,388.52	1/2	2,000.30	1/2	1,621.42
3/4	3/4	5,094.46	3/4	4,708.33	3/4	4,320.46	3/4	3,932.49	3/4	3,544.53	3/4	3,156.56	3/4	2,768.60	3/4	2,380.43	3/4	1,992.21	3/4	1,612.29
9	9	5,086.41	9	4,700.28	9	4,312.38	9	3,924.41	9	3,536.45	9	3,148.48	9	2,760.52	9	2,372.34	9	1,984.12	9	1,603.00
1/4	1/4	5,078.37	1/4	4,692.23	1/4	4,304.29	1/4	3,916.33	1/4	3,528.36	1/4	3,140.40	1/4	2,752.43	1/4	2,364.25	1/4	1,976.03	1/4	1,593.72
1/2	1/2	5,070.32	1/2	4,684.17	1/2	4,296.21	1/2	3,908.25	1/2	3,520.28	1/2	3,132.32	1/2	2,744.35	1/2	2,356.17	1/2	1,967.95	1/2	1,584.41
3/4	3/4	5,062.28	3/4	4,676.09	3/4	4,288.13	3/4	3,900.16	3/4	3,512.20	3/4	3,124.23	3/4	2,736.27	3/4	2,348.08	3/4	1,959.86	3/4	1,575.16
10	10	5,054.24	10	4,668.01	10	4,280.04	10	3,892.08	10	3,504.12	10	3,116.15	10	2,728.19	10	2,339.99	10	1,951.77	10	1,565.81
1/4	1/4	5,046.19	1/4	4,659.93	1/4	4,271.96	1/4	3,884.00	1/4	3,496.03	1/4	3,108.07	1/4	2,720.10	1/4	2,331.90	1/4	1,943.68	1/4	1,556.55
1/2	1/2	5,038.15	1/2	4,651.84	1/2	4,263.88	1/2	3,875.91	1/2	3,487.95	1/2	3,099.99	1/2	2,712.02	1/2	2,323.81	1/2	1,935.59	1/2	1,547.22
3/4	3/4	5,030.10	3/4	4,643.76	3/4	4,255.80	3/4	3,867.83	3/4	3,479.87	3/4	3,091.90	3/4	2,703.93	3/4	2,315.73	3/4	1,927.51	3/4	1,537.95
11	11	5,022.06	11	4,635.68	11	4,247.71	11	3,859.75	11	3,471.78	11	3,083.82	11	2,695.85	11	2,307.64	11	1,919.42	11	1,528.68
1/4	1/4	5,014.02	1/4	4,627.60	1/4	4,239.63	1/4	3,851.67	1/4	3,463.70	1/4	3,075.74	1/4	2,687.77	1/4	2,299.55	1/4	1,911.33	1/4	1,519.30
1/2	1/2	5,005.97	1/2	4,619.51	1/2	4,231.55	1/2	3,843.58	1/2	3,455.62	1/2	3,067.65	1/2	2,679.68	1/2	2,291.46	1/2	1,903.24	1/2	1,510.02
3/4	3/4	4,997.93	3/4	4,611.43	3/4	4,223.47	3/4	3,835.50	3/4	3,447.54	3/4	3,059.57	3/4	2,671.59	3/4	2,283.37	3/4	1,895.15	3/4	1,500.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPNIS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.



BARGE "EMS 3056"

2 STBD

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	1,887.07	0	1,498.85	0	1,123.33	0	742.12	0	357.77	0	0	0	0	0	0	0	0	0	0
1/4	1,878.98	1/4	1,490.76	1/4	1,115.65	1/4	734.03	1/4	349.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,870.89	1/2	1,482.67	1/2	1,107.98	1/2	725.95	1/2	341.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,862.80	3/4	1,474.58	3/4	1,100.30	3/4	717.86	3/4	334.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,854.72	1	1,466.50	1	1,092.62	1	709.77	1	326.09	1	1	1	1	1	1	1	1	1	1
1/4	1,846.63	1/4	1,458.41	1/4	1,084.95	1/4	701.69	1/4	318.17	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,838.54	1/2	1,450.32	1/2	1,077.27	1/2	693.60	1/2	310.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,830.45	3/4	1,442.23	3/4	1,069.59	3/4	685.52	3/4	302.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,822.36	2	1,434.14	2	1,061.92	2	677.43	2	294.33	2	2	2	2	2	2	2	2	2	2
1/4	1,814.28	1/4	1,426.06	1/4	1,054.24	1/4	669.35	1/4	286.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,806.19	1/2	1,417.97	1/2	1,046.56	1/2	661.26	1/2	278.41	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,798.10	3/4	1,409.88	3/4	1,038.88	3/4	653.18	3/4	270.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,790.01	3	1,401.79	3	1,031.20	3	645.09	3	262.27	3	3	3	3	3	3	3	3	3	3
1/4	1,781.92	1/4	1,393.71	1/4	1,023.52	1/4	637.00	1/4	254.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,773.84	1/2	1,385.62	1/2	1,015.84	1/2	628.92	1/2	246.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,765.75	3/4	1,377.53	3/4	1,008.05	3/4	620.83	3/4	238.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,757.66	4	1,369.44	4	1,000.26	4	612.75	4	229.97	4	4	4	4	4	4	4	4	4	4
1/4	1,749.57	1/4	1,361.35	1/4	992.47	1/4	604.66	1/4	221.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,741.48	1/2	1,353.26	1/2	984.69	1/2	596.58	1/2	213.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,733.40	3/4	1,345.17	3/4	976.60	3/4	588.49	3/4	205.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,725.31	5	1,337.08	5	968.51	5	580.41	5	197.76	5	5	5	5	5	5	5	5	5	5
1/4	1,717.22	1/4	1,329.00	1/4	960.43	1/4	572.32	1/4	189.72	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,709.13	1/2	1,320.91	1/2	952.34	1/2	564.23	1/2	181.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,701.05	3/4	1,312.82	3/4	944.26	3/4	556.19	3/4	173.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,692.96	6	1,304.73	6	936.17	6	548.14	6	165.85	6	6	6	6	6	6	6	6	6	6
1/4	1,684.87	1/4	1,296.64	1/4	928.09	1/4	540.10	1/4	157.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,676.78	1/2	1,288.55	1/2	920.00	1/2	532.05	1/2	150.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,668.69	3/4	1,280.46	3/4	911.91	3/4	524.13	3/4	142.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,660.61	7	1,272.37	7	903.83	7	516.20	7	134.17	7	7	7	7	7	7	7	7	7	7
1/4	1,652.52	1/4	1,264.28	1/4	895.74	1/4	508.27	1/4	126.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,644.43	1/2	1,256.19	1/2	887.66	1/2	500.35	1/2	118.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,636.34	3/4	1,248.10	3/4	879.57	3/4	492.42	3/4	110.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,628.25	8	1,240.01	8	871.49	8	484.50	8	102.82	8	8	8	8	8	8	8	8	8	8
1/4	1,620.17	1/4	1,231.92	1/4	863.40	1/4	476.57	1/4	95.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,612.08	1/2	1,223.83	1/2	855.32	1/2	468.65	1/2	87.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,603.99	3/4	1,215.74	3/4	847.23	3/4	460.73	3/4	80.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,595.90	9	1,207.65	9	839.14	9	452.81	9	73.50	9	9	9	9	9	9	9	9	9	9
1/4	1,587.81	1/4	1,200.08	1/4	831.06	1/4	444.89	1/4	66.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,579.73	1/2	1,192.41	1/2	822.97	1/2	436.97	1/2	59.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,571.64	3/4	1,184.73	3/4	814.89	3/4	429.05	3/4	54.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,563.55	10	1,177.06	10	806.80	10	421.13	10	48.56	10	10	10	10	10	10	10	10	10	10
1/4	1,555.46	1/4	1,169.38	1/4	798.72	1/4	413.21	1/4	43.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,547.38	1/2	1,161.71	1/2	790.63	1/2	405.29	1/2	37.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,539.29	3/4	1,154.03	3/4	782.55	3/4	397.37	3/4	33.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,531.20	11	1,146.35	11	774.46	11	389.45	11	29.01	11	11	11	11	11	11	11	11	11	11
1/4	1,523.11	1/4	1,138.68	1/4	766.37	1/4	381.53	1/4	25.00	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,515.02	1/2	1,130.99	1/2	758.29	1/2	373.61	1/2	21.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,506.94	3/4	1,123.30	3/4	750.20	3/4	365.69	3/4	17.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/17/2024 CL
 CALCULATED: 04/17/2024 JS
 PRINTED: 04/17/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2082
 Pearland, Texas 77568
<http://www.dmacord.net>



BARGE "EMS 3056"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	4,228.85	0	4,060.59	0	3,874.61	0	3,687.98	0	3,501.34	0	3,315.69	0	2,857.87	0	2,498.10	0	2,137.67	0
1/4	1/4	4,227.84	1/4	4,056.71	1/4	3,870.72	1/4	3,684.09	1/4	3,497.46	1/4	3,311.81	1/4	2,854.00	1/4	2,494.23	1/4	2,133.80	1/4
1/2	1/2	4,226.82	1/2	4,055.69	1/2	3,869.70	1/2	3,683.07	1/2	3,496.44	1/2	3,310.79	1/2	2,853.00	1/2	2,493.23	1/2	2,132.80	1/2
3/4	3/4	4,225.81	3/4	4,054.68	3/4	3,868.69	3/4	3,682.06	3/4	3,495.43	3/4	3,309.78	3/4	2,852.00	3/4	2,492.23	3/4	2,131.80	3/4
1	1	4,223.54	1	4,045.10	1	3,859.06	1	3,672.42	1	3,485.79	1	3,300.50	1	2,849.50	1	2,489.73	1	2,129.30	1
1/4	1/4	4,221.27	1/4	4,043.36	1/4	3,857.17	1/4	3,670.54	1/4	3,483.90	1/4	3,300.50	1/4	2,849.50	1/4	2,489.73	1/4	2,129.30	1/4
1/2	1/2	4,219.00	1/2	4,041.60	1/2	3,855.28	1/2	3,668.65	1/2	3,482.06	1/2	3,300.50	1/2	2,849.50	1/2	2,489.73	1/2	2,129.30	1/2
3/4	3/4	4,216.73	3/4	4,039.36	3/4	3,853.39	3/4	3,666.76	3/4	3,480.13	3/4	3,300.50	3/4	2,849.50	3/4	2,489.73	3/4	2,129.30	3/4
2	2	4,213.36	2	4,036.92	2	3,851.51	2	3,664.81	2	3,477.24	2	3,300.50	2	2,849.50	2	2,489.73	2	2,129.30	2
1/4	1/4	4,209.98	1/4	4,035.15	1/4	3,849.62	1/4	3,662.92	1/4	3,475.36	1/4	3,300.50	1/4	2,849.50	1/4	2,489.73	1/4	2,129.30	1/4
1/2	1/2	4,206.61	1/2	4,033.36	1/2	3,847.73	1/2	3,661.03	1/2	3,473.48	1/2	3,300.50	1/2	2,849.50	1/2	2,489.73	1/2	2,129.30	1/2
3/4	3/4	4,203.24	3/4	4,031.60	3/4	3,845.84	3/4	3,659.14	3/4	3,471.60	3/4	3,300.50	3/4	2,849.50	3/4	2,489.73	3/4	2,129.30	3/4
3	3	4,199.40	3	4,027.76	3	3,844.00	3	3,657.25	3	3,469.76	3	3,300.50	3	2,849.50	3	2,489.73	3	2,129.30	3
1/4	1/4	4,195.55	1/4	4,026.00	1/4	3,842.11	1/4	3,655.36	1/4	3,467.87	1/4	3,300.50	1/4	2,849.50	1/4	2,489.73	1/4	2,129.30	1/4
1/2	1/2	4,191.71	1/2	4,024.24	1/2	3,840.22	1/2	3,653.47	1/2	3,466.00	1/2	3,300.50	1/2	2,849.50	1/2	2,489.73	1/2	2,129.30	1/2
3/4	3/4	4,187.87	3/4	4,022.48	3/4	3,838.33	3/4	3,651.58	3/4	3,464.13	3/4	3,300.50	3/4	2,849.50	3/4	2,489.73	3/4	2,129.30	3/4
4	4	4,184.03	4	4,018.64	4	3,836.44	4	3,649.69	4	3,462.24	4	3,300.50	4	2,849.50	4	2,489.73	4	2,129.30	4
1/4	1/4	4,180.18	1/4	4,016.88	1/4	3,834.55	1/4	3,647.80	1/4	3,460.35	1/4	3,300.50	1/4	2,849.50	1/4	2,489.73	1/4	2,129.30	1/4
1/2	1/2	4,176.34	1/2	4,015.12	1/2	3,832.66	1/2	3,645.91	1/2	3,458.46	1/2	3,300.50	1/2	2,849.50	1/2	2,489.73	1/2	2,129.30	1/2
3/4	3/4	4,172.50	3/4	4,013.36	3/4	3,830.77	3/4	3,644.02	3/4	3,456.57	3/4	3,300.50	3/4	2,849.50	3/4	2,489.73	3/4	2,129.30	3/4
5	5	4,168.66	5	4,009.52	5	3,828.88	5	3,642.13	5	3,454.68	5	3,300.50	5	2,849.50	5	2,489.73	5	2,129.30	5
1/4	1/4	4,164.82	1/4	4,007.76	1/4	3,826.99	1/4	3,640.24	1/4	3,452.79	1/4	3,300.50	1/4	2,849.50	1/4	2,489.73	1/4	2,129.30	1/4
1/2	1/2	4,160.98	1/2	4,006.00	1/2	3,825.10	1/2	3,638.35	1/2	3,450.90	1/2	3,300.50	1/2	2,849.50	1/2	2,489.73	1/2	2,129.30	1/2
3/4	3/4	4,157.14	3/4	4,004.24	3/4	3,823.21	3/4	3,636.46	3/4	3,449.01	3/4	3,300.50	3/4	2,849.50	3/4	2,489.73	3/4	2,129.30	3/4
6	6	4,153.30	6	4,000.40	6	3,821.32	6	3,634.57	6	3,447.12	6	3,300.50	6	2,849.50	6	2,489.73	6	2,129.30	6
1/4	1/4	4,149.46	1/4	3,998.64	1/4	3,819.43	1/4	3,632.68	1/4	3,445.23	1/4	3,300.50	1/4	2,849.50	1/4	2,489.73	1/4	2,129.30	1/4
1/2	1/2	4,145.62	1/2	3,996.88	1/2	3,817.54	1/2	3,630.79	1/2	3,443.34	1/2	3,300.50	1/2	2,849.50	1/2	2,489.73	1/2	2,129.30	1/2
3/4	3/4	4,141.77	3/4	3,995.12	3/4	3,815.65	3/4	3,628.90	3/4	3,441.45	3/4	3,300.50	3/4	2,849.50	3/4	2,489.73	3/4	2,129.30	3/4
7	7	4,137.93	7	3,991.36	7	3,813.76	7	3,627.01	7	3,439.56	7	3,300.50	7	2,849.50	7	2,489.73	7	2,129.30	7
1/4	1/4	4,134.08	1/4	3,989.60	1/4	3,811.87	1/4	3,625.12	1/4	3,437.67	1/4	3,300.50	1/4	2,849.50	1/4	2,489.73	1/4	2,129.30	1/4
1/2	1/2	4,130.23	1/2	3,987.84	1/2	3,809.98	1/2	3,623.23	1/2	3,435.78	1/2	3,300.50	1/2	2,849.50	1/2	2,489.73	1/2	2,129.30	1/2
3/4	3/4	4,126.39	3/4	3,986.08	3/4	3,808.09	3/4	3,621.34	3/4	3,433.89	3/4	3,300.50	3/4	2,849.50	3/4	2,489.73	3/4	2,129.30	3/4
8	8	4,122.51	8	3,982.32	8	3,806.20	8	3,619.45	8	3,432.00	8	3,300.50	8	2,849.50	8	2,489.73	8	2,129.30	8
1/4	1/4	4,118.64	1/4	3,980.56	1/4	3,804.31	1/4	3,617.56	1/4	3,430.11	1/4	3,300.50	1/4	2,849.50	1/4	2,489.73	1/4	2,129.30	1/4
1/2	1/2	4,114.77	1/2	3,978.80	1/2	3,802.42	1/2	3,615.67	1/2	3,428.22	1/2	3,300.50	1/2	2,849.50	1/2	2,489.73	1/2	2,129.30	1/2
3/4	3/4	4,110.90	3/4	3,977.04	3/4	3,800.53	3/4	3,613.78	3/4	3,426.33	3/4	3,300.50	3/4	2,849.50	3/4	2,489.73	3/4	2,129.30	3/4
9	9	4,107.03	9	3,973.28	9	3,798.64	9	3,611.89	9	3,424.44	9	3,300.50	9	2,849.50	9	2,489.73	9	2,129.30	9
1/4	1/4	4,103.16	1/4	3,971.52	1/4	3,796.75	1/4	3,609.99	1/4	3,422.55	1/4	3,300.50	1/4	2,849.50	1/4	2,489.73	1/4	2,129.30	1/4
1/2	1/2	4,099.29	1/2	3,969.76	1/2	3,794.86	1/2	3,608.10	1/2	3,420.66	1/2	3,300.50	1/2	2,849.50	1/2	2,489.73	1/2	2,129.30	1/2
3/4	3/4	4,095.42	3/4	3,967.99	3/4	3,792.97	3/4	3,606.21	3/4	3,418.77	3/4	3,300.50	3/4	2,849.50	3/4	2,489.73	3/4	2,129.30	3/4
10	10	4,091.55	10	3,964.24	10	3,791.08	10	3,604.32	10	3,416.88	10	3,300.50	10	2,849.50	10	2,489.73	10	2,129.30	10
1/4	1/4	4,087.68	1/4	3,962.48	1/4	3,789.19	1/4	3,602.43	1/4	3,414.99	1/4	3,300.50	1/4	2,849.50	1/4	2,489.73	1/4	2,129.30	1/4
1/2	1/2	4,083.81	1/2	3,960.72	1/2	3,787.30	1/2	3,600.54	1/2	3,413.10	1/2	3,300.50	1/2	2,849.50	1/2	2,489.73	1/2	2,129.30	1/2
3/4	3/4	4,079.94	3/4	3,958.96	3/4	3,785.41	3/4	3,598.65	3/4	3,411.21	3/4	3,300.50	3/4	2,849.50	3/4	2,489.73	3/4	2,129.30	3/4
11	11	4,076.07	11	3,955.20	11	3,783.52	11	3,596.76	11	3,409.32	11	3,300.50	11	2,849.50	11	2,489.73	11	2,129.30	11
1/4	1/4	4,072.20	1/4	3,953.44	1/4	3,781.63	1/4	3,594.87	1/4	3,407.43	1/4	3,300.50	1/4	2,849.50	1/4	2,489.73	1/4	2,129.30	1/4
1/2	1/2	4,068.33	1/2	3,951.68	1/2	3,779.74	1/2	3,592.98	1/2	3,405.54	1/2	3,300.50	1/2	2,849.50	1/2	2,489.73	1/2	2,129.30	1/2
3/4	3/4	4,064.46	3/4	3,949.92	3/4	3,777.85	3/4	3,591.09	3/4	3,403.65	3/4	3,300.50	3/4	2,849.50	3/4	2,489.73	3/4	2,129.30	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 58'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77568

<http://www.pmacorp.net>



BARGE "EMS 3056"

3 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	1,776.86	0	1,419.67	0	1,060.63	0	700.03	0	341.76	0	0	0	0	0	0	0	0	0	0
1/4	1,769.34	1/4	1,412.14	1/4	1,053.18	1/4	692.50	1/4	334.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,761.81	1/2	1,404.61	1/2	1,045.72	1/2	684.97	1/2	327.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,754.29	3/4	1,397.08	3/4	1,038.26	3/4	677.44	3/4	319.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,746.77	1	1,389.54	1	1,030.81	1	669.90	1	312.24	1	1	1	1	1	1	1	1	1	1
1/4	1,739.25	1/4	1,382.01	1/4	1,023.35	1/4	662.37	1/4	304.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,731.73	1/2	1,374.48	1/2	1,015.89	1/2	654.84	1/2	297.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,724.21	3/4	1,366.95	3/4	1,008.44	3/4	647.30	3/4	290.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,716.68	2	1,359.43	2	1,000.97	2	639.77	2	282.68	2	2	2	2	2	2	2	2	2	2
1/4	1,709.16	1/4	1,351.90	1/4	993.50	1/4	632.24	1/4	275.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,701.63	1/2	1,344.38	1/2	986.03	1/2	624.71	1/2	267.85	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,694.11	3/4	1,336.86	3/4	978.56	3/4	617.17	3/4	260.43	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,686.58	3	1,329.37	3	971.05	3	609.64	3	252.91	3	3	3	3	3	3	3	3	3	3
1/4	1,679.05	1/4	1,321.87	1/4	963.55	1/4	602.11	1/4	245.39	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,671.52	1/2	1,314.38	1/2	956.05	1/2	594.58	1/2	237.86	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,663.99	3/4	1,306.88	3/4	948.55	3/4	587.04	3/4	230.34	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,656.46	4	1,299.40	4	941.03	4	579.51	4	222.82	4	4	4	4	4	4	4	4	4	4
1/4	1,648.93	1/4	1,291.91	1/4	933.51	1/4	571.98	1/4	215.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,641.40	1/2	1,284.42	1/2	926.00	1/2	564.45	1/2	207.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,633.87	3/4	1,276.93	3/4	918.48	3/4	556.91	3/4	200.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,626.38	5	1,269.46	5	910.95	5	549.38	5	192.76	5	5	5	5	5	5	5	5	5	5
1/4	1,618.90	1/4	1,262.00	1/4	903.42	1/4	541.85	1/4	185.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,611.41	1/2	1,254.53	1/2	895.88	1/2	534.31	1/2	177.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,603.93	3/4	1,247.06	3/4	888.35	3/4	526.78	3/4	170.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,596.57	6	1,239.60	6	880.82	6	519.28	6	162.82	6	6	6	6	6	6	6	6	6	6
1/4	1,589.21	1/4	1,232.14	1/4	873.29	1/4	511.78	1/4	155.54	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,581.86	1/2	1,224.68	1/2	865.75	1/2	504.28	1/2	148.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,574.50	3/4	1,217.22	3/4	858.22	3/4	496.79	3/4	140.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,567.14	7	1,209.76	7	850.69	7	489.40	7	133.40	7	7	7	7	7	7	7	7	7	7
1/4	1,559.79	1/4	1,202.30	1/4	843.16	1/4	482.01	1/4	126.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,552.43	1/2	1,194.85	1/2	835.62	1/2	474.63	1/2	118.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,545.08	3/4	1,187.39	3/4	828.09	3/4	467.24	3/4	111.27	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,537.72	8	1,179.93	8	820.56	8	459.85	8	104.05	8	8	8	8	8	8	8	8	8	8
1/4	1,530.36	1/4	1,172.48	1/4	813.02	1/4	452.47	1/4	96.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,523.01	1/2	1,165.02	1/2	805.49	1/2	445.08	1/2	89.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,515.65	3/4	1,157.56	3/4	797.96	3/4	437.70	3/4	82.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,508.30	9	1,150.11	9	790.43	9	430.32	9	75.95	9	9	9	9	9	9	9	9	9	9
1/4	1,500.94	1/4	1,142.65	1/4	782.89	1/4	422.94	1/4	69.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,493.58	1/2	1,135.19	1/2	775.36	1/2	415.56	1/2	63.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,486.23	3/4	1,127.74	3/4	767.83	3/4	408.18	3/4	56.64	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,478.87	10	1,120.28	10	760.30	10	400.80	10	51.47	10	10	10	10	10	10	10	10	10	10
1/4	1,471.52	1/4	1,112.83	1/4	752.76	1/4	393.42	1/4	46.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,464.16	1/2	1,105.37	1/2	745.23	1/2	386.04	1/2	41.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,456.80	3/4	1,097.91	3/4	737.70	3/4	378.66	3/4	35.94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,449.40	11	1,090.46	11	730.16	11	371.28	11	32.02	11	11	11	11	11	11	11	11	11	11
1/4	1,442.00	1/4	1,083.00	1/4	722.63	1/4	363.90	1/4	28.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,434.60	1/2	1,075.54	1/2	715.10	1/2	356.52	1/2	23.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,427.20	3/4	1,068.09	3/4	707.57	3/4	349.14	3/4	18.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/17/2024 CL
 CALCULATED: 04/17/2024 JS
 PRINTED: 04/17/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2024

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



BARGE "EMS 3056"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	0	4,195.83	0	4,030.77	0	3,845.20	0	3,658.96	0	3,472.71	0	3,151.39	0	2,834.22	0	2,475.45	0	2,115.99	0	1,756.53
1/4	1/4	4,194.82	1/4	4,026.90	1/4	3,841.32	1/4	3,655.08	1/4	3,468.83	1/4	3,143.86	1/4	2,826.76	1/4	2,467.96	1/4	2,108.51	1/4	1,749.05
1/2	1/2	4,193.81	1/2	4,023.04	1/2	3,837.44	1/2	3,651.20	1/2	3,464.95	1/2	3,138.33	1/2	2,821.29	1/2	2,462.46	1/2	2,103.02	1/2	1,743.56
3/4	3/4	4,192.80	3/4	4,019.18	3/4	3,833.56	3/4	3,647.32	3/4	3,461.07	3/4	3,128.80	3/4	2,811.83	3/4	2,452.97	3/4	2,093.54	3/4	1,739.08
1	1	4,191.79	1	4,015.32	1	3,829.68	1	3,643.44	1	3,457.19	1	3,121.26	1	2,804.36	1	2,445.47	1	2,086.05	1	1,734.63
1 1/4	1 1/4	4,189.52	1 1/4	4,011.45	1 1/4	3,825.80	1 1/4	3,639.56	1 1/4	3,453.31	1 1/4	3,113.73	1 1/4	2,796.90	1 1/4	2,437.98	1 1/4	2,078.57	1 1/4	1,730.16
1 1/2	1 1/2	4,187.26	1 1/2	4,007.59	1 1/2	3,821.92	1 1/2	3,635.68	1 1/2	3,449.43	1 1/2	3,108.20	1 1/2	2,789.43	1 1/2	2,432.48	1 1/2	2,073.08	1 1/2	1,725.65
3/4	3/4	4,184.99	3/4	4,003.73	3/4	3,818.04	3/4	3,631.80	3/4	3,445.55	3/4	3,098.67	3/4	2,781.97	3/4	2,427.99	3/4	2,068.60	3/4	1,721.72
2	2	4,182.72	2	3,999.87	2	3,814.16	2	3,627.92	2	3,441.67	2	3,091.14	2	2,774.50	2	2,415.49	2	2,063.11	2	1,717.79
1 1/4	1 1/4	4,179.36	1 1/4	3,996.00	1 1/4	3,810.28	1 1/4	3,624.04	1 1/4	3,437.79	1 1/4	3,083.61	1 1/4	2,767.04	1 1/4	2,410.48	1 1/4	2,058.63	1 1/4	1,713.86
1 1/2	1 1/2	4,175.99	1 1/2	3,992.14	1 1/2	3,806.40	1 1/2	3,620.16	1 1/2	3,433.91	1 1/2	3,076.08	1 1/2	2,759.57	1 1/2	2,405.50	1 1/2	2,053.16	1 1/2	1,709.94
3/4	3/4	4,172.63	3/4	3,988.28	3/4	3,802.52	3/4	3,616.28	3/4	3,430.03	3/4	3,068.55	3/4	2,752.11	3/4	2,393.01	3/4	2,048.63	3/4	1,706.02
3	3	4,169.26	3	3,984.42	3	3,798.64	3	3,612.40	3	3,422.50	3	3,061.02	3	2,744.65	3	2,385.51	3	2,043.19	3	1,702.10
1 1/4	1 1/4	4,165.43	1 1/4	3,980.55	1 1/4	3,794.76	1 1/4	3,608.52	1 1/4	3,414.97	1 1/4	3,053.49	1 1/4	2,737.18	1 1/4	2,378.02	1 1/4	2,038.76	1 1/4	1,697.19
1 1/2	1 1/2	4,161.59	1 1/2	3,976.69	1 1/2	3,790.88	1 1/2	3,604.64	1 1/2	3,407.44	1 1/2	3,045.96	1 1/2	2,729.72	1 1/2	2,373.52	1 1/2	2,034.30	1 1/2	1,693.27
3/4	3/4	4,157.76	3/4	3,972.83	3/4	3,787.00	3/4	3,600.76	3/4	3,399.91	3/4	3,038.42	3/4	2,722.25	3/4	2,363.03	3/4	2,029.87	3/4	1,689.34
4	4	4,153.92	4	3,968.97	4	3,783.12	4	3,596.88	4	3,392.38	4	3,030.89	4	2,714.79	4	2,355.53	4	2,025.44	4	1,685.41
1 1/4	1 1/4	4,150.09	1 1/4	3,965.10	1 1/4	3,779.24	1 1/4	3,593.00	1 1/4	3,384.85	1 1/4	3,023.36	1 1/4	2,707.32	1 1/4	2,348.04	1 1/4	2,020.95	1 1/4	1,681.48
1 1/2	1 1/2	4,146.26	1 1/2	3,961.24	1 1/2	3,775.36	1 1/2	3,589.12	1 1/2	3,377.32	1 1/2	3,015.83	1 1/2	2,699.86	1 1/2	2,343.55	1 1/2	2,016.50	1 1/2	1,677.55
3/4	3/4	4,142.42	3/4	3,957.38	3/4	3,771.48	3/4	3,585.24	3/4	3,369.78	3/4	3,008.30	3/4	2,692.39	3/4	2,338.06	3/4	2,012.05	3/4	1,673.62
5	5	4,138.59	5	3,953.52	5	3,767.60	5	3,581.26	5	3,362.25	5	3,000.77	5	2,684.93	5	2,325.57	5	2,007.66	5	1,669.75
1 1/4	1 1/4	4,134.76	1 1/4	3,949.66	1 1/4	3,763.72	1 1/4	3,577.48	1 1/4	3,354.72	1 1/4	2,993.24	1 1/4	2,677.47	1 1/4	2,318.08	1 1/4	2,003.19	1 1/4	1,665.82
1 1/2	1 1/2	4,130.93	1 1/2	3,945.79	1 1/2	3,759.84	1 1/2	3,573.60	1 1/2	3,347.19	1 1/2	2,985.71	1 1/2	2,670.00	1 1/2	2,313.59	1 1/2	1,998.73	1 1/2	1,661.89
3/4	3/4	4,127.09	3/4	3,941.93	3/4	3,755.96	3/4	3,569.71	3/4	3,339.66	3/4	2,978.18	3/4	2,662.54	3/4	2,308.11	3/4	1,994.34	3/4	1,657.96
6	6	4,123.26	6	3,938.07	6	3,752.08	6	3,565.83	6	3,332.13	6	2,970.65	6	2,655.07	6	2,295.63	6	1,989.91	6	1,654.03
1 1/4	1 1/4	4,119.43	1 1/4	3,934.21	1 1/4	3,748.20	1 1/4	3,561.95	1 1/4	3,324.60	1 1/4	2,963.12	1 1/4	2,647.61	1 1/4	2,288.14	1 1/4	1,985.00	1 1/4	1,650.10
1 1/2	1 1/2	4,115.59	1 1/2	3,930.34	1 1/2	3,744.32	1 1/2	3,558.07	1 1/2	3,317.07	1 1/2	2,955.58	1 1/2	2,640.14	1 1/2	2,283.66	1 1/2	1,975.07	1 1/2	1,646.17
3/4	3/4	4,111.76	3/4	3,926.48	3/4	3,740.44	3/4	3,554.19	3/4	3,309.54	3/4	2,948.05	3/4	2,632.68	3/4	2,279.17	3/4	1,970.18	3/4	1,642.24
7	7	4,107.93	7	3,922.62	7	3,736.56	7	3,550.31	7	3,302.01	7	2,940.52	7	2,625.21	7	2,265.69	7	1,960.26	7	1,638.31
1 1/4	1 1/4	4,104.09	1 1/4	3,918.76	1 1/4	3,732.68	1 1/4	3,546.43	1 1/4	3,294.48	1 1/4	2,932.99	1 1/4	2,617.74	1 1/4	2,260.20	1 1/4	1,955.75	1 1/4	1,634.38
1 1/2	1 1/2	4,100.25	1 1/2	3,914.89	1 1/2	3,728.80	1 1/2	3,542.55	1 1/2	3,286.94	1 1/2	2,925.46	1 1/2	2,610.27	1 1/2	2,255.72	1 1/2	1,951.82	1 1/2	1,630.45
3/4	3/4	4,096.40	3/4	3,911.03	3/4	3,724.92	3/4	3,538.67	3/4	3,279.41	3/4	2,917.93	3/4	2,602.80	3/4	2,243.23	3/4	1,947.89	3/4	1,626.52
8	8	4,092.56	8	3,907.17	8	3,721.04	8	3,534.79	8	3,271.88	8	2,910.40	8	2,595.33	8	2,235.75	8	1,942.96	8	1,622.59
1 1/4	1 1/4	4,088.70	1 1/4	3,903.31	1 1/4	3,717.16	1 1/4	3,530.91	1 1/4	3,264.35	1 1/4	2,902.87	1 1/4	2,587.84	1 1/4	2,228.26	1 1/4	1,938.01	1 1/4	1,618.66
1 1/2	1 1/2	4,084.84	1 1/2	3,899.44	1 1/2	3,713.28	1 1/2	3,527.03	1 1/2	3,256.82	1 1/2	2,895.34	1 1/2	2,580.34	1 1/2	2,223.78	1 1/2	1,934.12	1 1/2	1,614.77
3/4	3/4	4,080.98	3/4	3,895.58	3/4	3,709.40	3/4	3,523.25	3/4	3,249.29	3/4	2,887.81	3/4	2,572.85	3/4	2,219.30	3/4	1,929.23	3/4	1,610.88
9	9	4,077.11	9	3,891.72	9	3,705.52	9	3,519.27	9	3,241.76	9	2,883.93	9	2,565.36	9	2,205.81	9	1,924.34	9	1,606.99
1 1/4	1 1/4	4,073.25	1 1/4	3,887.85	1 1/4	3,701.64	1 1/4	3,515.39	1 1/4	3,234.23	1 1/4	2,880.06	1 1/4	2,557.87	1 1/4	2,198.33	1 1/4	1,919.37	1 1/4	1,603.06
1 1/2	1 1/2	4,069.39	1 1/2	3,883.98	1 1/2	3,697.76	1 1/2	3,511.51	1 1/2	3,226.70	1 1/2	2,876.19	1 1/2	2,550.37	1 1/2	2,193.84	1 1/2	1,914.42	1 1/2	1,600.13
3/4	3/4	4,065.53	3/4	3,880.11	3/4	3,693.88	3/4	3,507.63	3/4	3,219.17	3/4	2,872.33	3/4	2,542.88	3/4	2,188.34	3/4	1,909.47	3/4	1,596.20
10	10	4,061.66	10	3,876.24	10	3,690.00	10	3,501.39	10	3,211.64	10	2,868.46	10	2,535.39	10	2,175.87	10	1,904.50	10	1,592.27
1 1/4	1 1/4	4,057.80	1 1/4	3,872.36	1 1/4	3,686.12	1 1/4	3,495.87	1 1/4	3,204.10	1 1/4	2,864.64	1 1/4	2,527.90	1 1/4	2,171.33	1 1/4	1,900.53	1 1/4	1,588.34
1 1/2	1 1/2	4,053.94	1 1/2	3,868.48	1 1/2	3,682.24	1 1/2	3,491.99	1 1/2	3,196.57	1 1/2	2,860.81	1 1/2	2,520.41	1 1/2	2,166.39	1 1/2	1,900.50	1 1/2	1,584.41
3/4	3/4	4,050.08	3/4	3,864.60	3/4	3,678.36	3/4	3,488.11	3/4	3,191.04	3/4	2,856.98	3/4	2,512.91	3/4	2,152.42	3/4	1,896.57	3/4	1,580.48
11	11	4,046.22	11	3,860.72	11	3,674.48	11	3,482.23	11	3,181.51	11	2,853.16	11	2,505.42	11	2,145.93	11	1,886.11	11	1,576.55
1 1/4	1 1/4	4,042.35	1 1/4	3,856.84	1 1/4	3,670.60	1 1/4	3,478.35	1 1/4	3,175.98	1 1/4	2,848.42	1 1/4	2,497.93	1 1/4	2,138.45	1 1/4	1,882.18	1 1/4	1,572.62
1 1/2	1 1/2	4,038.49	1 1/2	3,852.96	1 1/2	3,666.72	1 1/2	3,474.47	1 1/2	3,166.45	1 1/2	2,843.69	1 1/2	2,490.44	1 1/2	2,133.96	1 1/2	1,878.25	1 1/2	1,568.69
3/4	3/4	4,034.63	3/4	3,849.08	3/4	3,6														



BARGE "EMS 3056"

3 STBD

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	1,756.17	0	1,399.97	0	1,054.82	0	704.63	0	348.33	0	0	0	0	0	0	0	0	0	0
1/4	1,748.67	1/4	1,392.46	1/4	1,047.77	1/4	697.11	1/4	340.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,741.17	1/2	1,384.95	1/2	1,040.71	1/2	689.60	1/2	333.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,733.67	3/4	1,377.43	3/4	1,033.66	3/4	682.09	3/4	326.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,726.17	1	1,369.92	1	1,026.61	1	674.58	1	318.88	1	1	1	1	1	1	1	1	1	1
1/4	1,718.67	1/4	1,362.41	1/4	1,019.66	1/4	667.08	1/4	311.51	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,711.17	1/2	1,354.90	1/2	1,012.70	1/2	659.57	1/2	304.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,703.66	3/4	1,347.39	3/4	1,005.75	3/4	652.07	3/4	296.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,696.16	1	1,339.88	1	998.80	1	644.56	1	289.42	1	2	2	2	2	2	2	2	2	2
1/4	1,688.66	1/4	1,332.46	1/4	991.74	1/4	637.08	1/4	282.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,681.16	1/2	1,325.05	1/2	984.69	1/2	629.60	1/2	274.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,673.65	3/4	1,317.63	3/4	977.64	3/4	622.11	3/4	267.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,666.15	1	1,310.22	1	970.59	1	614.63	1	259.82	1	3	3	3	3	3	3	3	3	3
1/4	1,658.64	1/4	1,303.10	1/4	963.25	1/4	607.15	1/4	252.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,651.13	1/2	1,295.98	1/2	955.90	1/2	599.66	1/2	244.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,643.62	3/4	1,288.85	3/4	948.56	3/4	592.18	3/4	237.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,636.11	1	1,281.73	1	941.22	1	584.70	1	229.80	1	4	4	4	4	4	4	4	4	4
1/4	1,628.60	1/4	1,274.61	1/4	933.86	1/4	577.21	1/4	222.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,621.09	1/2	1,267.50	1/2	926.51	1/2	569.73	1/2	214.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,613.58	3/4	1,260.38	3/4	919.15	3/4	562.25	3/4	207.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,606.07	1	1,253.26	1	911.80	1	554.76	1	199.77	1	5	5	5	5	5	5	5	5	5
1/4	1,598.56	1/4	1,246.17	1/4	904.43	1/4	547.28	1/4	192.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,591.05	1/2	1,239.07	1/2	897.08	1/2	539.79	1/2	184.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,583.54	3/4	1,231.97	3/4	889.68	3/4	532.31	3/4	177.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,576.03	1	1,224.88	1	882.31	1	524.83	1	169.89	1	6	6	6	6	6	6	6	6	6
1/4	1,568.52	1/4	1,217.79	1/4	874.94	1/4	517.38	1/4	162.53	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,561.01	1/2	1,210.70	1/2	867.57	1/2	509.93	1/2	155.16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,553.50	3/4	1,203.61	3/4	860.19	3/4	502.48	3/4	147.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,546.00	1	1,196.53	1	852.82	1	495.03	1	140.44	1	7	7	7	7	7	7	7	7	7
1/4	1,538.49	1/4	1,189.44	1/4	845.45	1/4	487.69	1/4	133.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,530.98	1/2	1,182.35	1/2	838.08	1/2	480.36	1/2	125.71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,523.47	3/4	1,175.26	3/4	830.71	3/4	473.02	3/4	118.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,515.96	1	1,168.18	1	823.33	1	465.68	1	110.99	1	8	8	8	8	8	8	8	8	8
1/4	1,508.45	1/4	1,161.09	1/4	815.96	1/4	458.35	1/4	103.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,500.94	1/2	1,154.01	1/2	808.59	1/2	451.01	1/2	96.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,493.43	3/4	1,146.92	3/4	801.21	3/4	443.67	3/4	89.37	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,485.92	1	1,139.84	1	793.84	1	436.34	1	82.17	1	9	9	9	9	9	9	9	9	9
1/4	1,478.41	1/4	1,132.75	1/4	786.46	1/4	429.01	1/4	75.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,470.90	1/2	1,125.67	1/2	779.08	1/2	421.68	1/2	69.32	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,463.39	3/4	1,118.58	3/4	771.70	3/4	414.34	3/4	62.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,455.88	1	1,111.50	1	764.32	1	407.01	1	56.48	1	10	10	10	10	10	10	10	10	10
1/4	1,448.37	1/4	1,104.41	1/4	756.91	1/4	399.68	1/4	51.32	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,440.86	1/2	1,097.33	1/2	749.50	1/2	392.35	1/2	46.15	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,433.35	3/4	1,090.24	3/4	742.08	3/4	385.02	3/4	40.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,425.84	1	1,083.16	1	734.67	1	377.69	1	35.82	1	11	11	11	11	11	11	11	11	11
1/4	1,418.33	1/4	1,076.07	1/4	727.16	1/4	370.35	1/4	31.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,410.82	1/2	1,068.99	1/2	719.65	1/2	363.01	1/2	28.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,403.31	3/4	1,061.90	3/4	712.14	3/4	355.67	3/4	24.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/17/2024 CL
 CALCULATED: 04/17/2024 JS
 PRINTED: 04/17/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77568
<http://www.bmacorp.net>



BARGE "EMS 3056"

INNAGE TRIM TABLE
HERMETIC

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-00"

April 17, 2024

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

<http://www.pmacorp.net>



BARGE "EMS 3056"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11-1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	22.85	0	277.41	0	574.36	0	894.74	0	1,223.92	0	1,554.06	0	1,884.96	0	2,215.95	0	2,546.53	0	2,877.21
1/4	25.44	1/4	283.27	1/4	580.83	1/4	901.57	1/4	1,230.79	1/4	1,560.96	1/4	1,891.85	1/4	2,222.74	1/4	2,553.42	1/4	2,884.10
1/2	28.04	1/2	289.14	1/2	587.30	1/2	908.40	1/2	1,237.66	1/2	1,567.85	1/2	1,898.75	1/2	2,229.63	1/2	2,560.31	1/2	2,890.98
3/4	31.48	3/4	295.05	3/4	593.81	3/4	915.23	3/4	1,244.52	3/4	1,574.74	3/4	1,905.64	3/4	2,236.52	3/4	2,567.20	3/4	2,897.87
1	34.91	1	300.95	1	600.33	1	922.06	1	1,251.38	1	1,581.64	1	1,912.53	1	2,243.41	1	2,574.09	1	2,904.76
1 1/4	38.35	1 1/4	306.86	1 1/4	606.84	1 1/4	928.89	1 1/4	1,258.24	1 1/4	1,588.53	1 1/4	1,919.43	1 1/4	2,250.30	1 1/4	2,580.98	1 1/4	2,911.65
1 1/2	41.79	1 1/2	312.77	1 1/2	613.30	1 1/2	935.52	1 1/2	1,265.10	1 1/2	1,595.42	1 1/2	1,926.32	1 1/2	2,257.19	1 1/2	2,587.86	1 1/2	2,918.54
3/4	46.41	3/4	318.71	3/4	619.90	3/4	942.55	3/4	1,271.96	3/4	1,602.32	3/4	1,933.22	3/4	2,264.08	3/4	2,594.75	3/4	2,925.43
2	51.04	2	324.66	2	626.45	2	949.38	2	1,278.82	2	1,609.21	2	1,940.11	2	2,270.87	2	2,601.64	2	2,932.32
1/4	55.66	1/4	330.61	1/4	632.99	1/4	956.20	1/4	1,285.68	1/4	1,616.10	1/4	1,947.00	1/4	2,277.85	1/4	2,608.53	1/4	2,939.21
1/2	60.28	1/2	336.56	1/2	639.54	1/2	963.03	1/2	1,292.54	1/2	1,623.00	1/2	1,953.90	1/2	2,284.74	1/2	2,615.42	1/2	2,946.10
3/4	65.66	3/4	342.55	3/4	646.12	3/4	969.86	3/4	1,299.40	3/4	1,629.89	3/4	1,960.79	3/4	2,291.63	3/4	2,622.31	3/4	2,952.99
3	71.04	3	348.54	3	652.71	3	976.69	3	1,306.26	3	1,636.79	3	1,967.68	3	2,298.52	3	2,629.20	3	2,959.88
1/4	76.42	1/4	354.53	1/4	659.30	1/4	983.52	1/4	1,313.12	1/4	1,643.68	1/4	1,974.58	1/4	2,305.41	1/4	2,636.09	1/4	2,966.76
1/2	81.80	1/2	360.53	1/2	665.88	1/2	990.35	1/2	1,319.98	1/2	1,650.57	1/2	1,981.47	1/2	2,312.30	1/2	2,642.98	1/2	2,973.65
3/4	87.36	3/4	366.55	3/4	672.51	3/4	997.18	3/4	1,326.84	3/4	1,657.47	3/4	1,988.36	3/4	2,319.19	3/4	2,649.87	3/4	2,980.54
4	92.92	4	372.58	4	679.14	4	1,004.01	4	1,333.70	4	1,664.36	4	1,995.26	4	2,326.08	4	2,656.76	4	2,987.43
1/4	98.49	1/4	378.61	1/4	685.76	1/4	1,010.84	1/4	1,340.56	1/4	1,671.25	1/4	2,002.15	1/4	2,332.97	1/4	2,663.64	1/4	2,994.32
1/2	104.05	1/2	384.64	1/2	692.39	1/2	1,017.67	1/2	1,347.42	1/2	1,678.15	1/2	2,009.05	1/2	2,339.86	1/2	2,670.53	1/2	3,001.21
3/4	109.65	3/4	390.80	3/4	699.06	3/4	1,024.50	3/4	1,354.28	3/4	1,685.04	3/4	2,015.94	3/4	2,346.75	3/4	2,677.42	3/4	3,008.10
5	115.25	5	396.97	5	705.73	5	1,031.34	5	1,361.14	5	1,691.94	5	2,022.83	5	2,353.63	5	2,684.31	5	3,014.99
1/4	120.84	1/4	403.14	1/4	712.40	1/4	1,038.17	1/4	1,368.00	1/4	1,698.83	1/4	2,029.73	1/4	2,360.52	1/4	2,691.20	1/4	3,021.88
1/2	126.44	1/2	409.31	1/2	719.07	1/2	1,045.00	1/2	1,374.86	1/2	1,705.72	1/2	2,036.62	1/2	2,367.41	1/2	2,698.09	1/2	3,028.77
3/4	132.18	3/4	415.55	3/4	725.77	3/4	1,051.84	3/4	1,381.74	3/4	1,712.62	3/4	2,043.51	3/4	2,374.30	3/4	2,704.98	3/4	3,035.66
6	137.91	6	421.80	6	732.47	6	1,058.68	6	1,388.63	6	1,719.51	6	2,050.41	6	2,381.19	6	2,711.87	6	3,042.54
1/4	143.65	1/4	428.04	1/4	739.17	1/4	1,065.52	1/4	1,395.51	1/4	1,726.40	1/4	2,057.30	1/4	2,388.08	1/4	2,718.76	1/4	3,049.43
1/2	149.38	1/2	434.28	1/2	745.88	1/2	1,072.36	1/2	1,402.40	1/2	1,733.30	1/2	2,064.20	1/2	2,394.97	1/2	2,725.65	1/2	3,056.32
3/4	155.19	3/4	440.56	3/4	752.58	3/4	1,079.24	3/4	1,409.29	3/4	1,740.19	3/4	2,071.09	3/4	2,401.86	3/4	2,732.54	3/4	3,063.21
7	161.00	7	446.84	7	759.29	7	1,086.13	7	1,416.19	7	1,747.09	7	2,077.98	7	2,408.75	7	2,739.42	7	3,070.10
1/4	166.81	1/4	453.11	1/4	765.99	1/4	1,093.01	1/4	1,423.08	1/4	1,753.98	1/4	2,084.88	1/4	2,415.64	1/4	2,746.31	1/4	3,076.99
1/2	172.62	1/2	459.39	1/2	772.69	1/2	1,099.89	1/2	1,429.97	1/2	1,760.87	1/2	2,091.77	1/2	2,422.53	1/2	2,753.20	1/2	3,083.88
3/4	178.47	3/4	465.71	3/4	779.42	3/4	1,106.78	3/4	1,436.87	3/4	1,767.77	3/4	2,098.66	3/4	2,429.41	3/4	2,760.09	3/4	3,090.77
8	184.32	8	472.02	8	786.15	8	1,113.68	8	1,443.76	8	1,774.66	8	2,105.56	8	2,436.30	8	2,766.98	8	3,097.66
1/4	190.17	1/4	478.34	1/4	792.87	1/4	1,120.57	1/4	1,450.66	1/4	1,781.55	1/4	2,112.45	1/4	2,443.19	1/4	2,773.87	1/4	3,104.55
1/2	196.02	1/2	484.65	1/2	799.60	1/2	1,127.46	1/2	1,457.55	1/2	1,788.45	1/2	2,119.34	1/2	2,450.08	1/2	2,780.76	1/2	3,111.44
3/4	201.81	3/4	491.01	3/4	806.35	3/4	1,134.36	3/4	1,464.44	3/4	1,795.34	3/4	2,126.24	3/4	2,456.97	3/4	2,787.65	3/4	3,118.32
9	207.60	9	497.37	9	813.11	9	1,141.25	9	1,471.34	9	1,802.23	9	2,133.13	9	2,463.86	9	2,794.54	9	3,125.21
1/4	213.38	1/4	503.73	1/4	819.87	1/4	1,148.14	1/4	1,478.23	1/4	1,809.13	1/4	2,140.03	1/4	2,470.75	1/4	2,801.43	1/4	3,132.10
1/2	219.17	1/2	510.09	1/2	826.62	1/2	1,155.04	1/2	1,485.12	1/2	1,816.02	1/2	2,146.92	1/2	2,477.64	1/2	2,808.32	1/2	3,138.99
3/4	224.96	3/4	516.48	3/4	833.42	3/4	1,161.93	3/4	1,492.02	3/4	1,822.92	3/4	2,153.81	3/4	2,484.53	3/4	2,815.20	3/4	3,145.88
10	230.75	10	522.88	10	840.21	10	1,168.83	10	1,498.91	10	1,829.81	10	2,160.71	10	2,491.42	10	2,822.09	10	3,152.77
1/4	236.55	1/4	529.28	1/4	847.00	1/4	1,175.72	1/4	1,505.81	1/4	1,836.70	1/4	2,167.60	1/4	2,498.31	1/4	2,828.98	1/4	3,159.66
1/2	242.34	1/2	535.68	1/2	853.80	1/2	1,182.61	1/2	1,512.70	1/2	1,843.60	1/2	2,174.49	1/2	2,505.19	1/2	2,835.87	1/2	3,166.55
3/4	248.17	3/4	542.11	3/4	860.62	3/4	1,189.51	3/4	1,519.59	3/4	1,850.49	3/4	2,181.39	3/4	2,512.08	3/4	2,842.76	3/4	3,173.44
11	254.01	11	548.55	11	867.44	11	1,196.40	11	1,526.49	11	1,857.38	11	2,188.28	11	2,518.97	11	2,849.65	11	3,180.33
1/4	259.84	1/4	554.98	1/4	874.26	1/4	1,203.29	1/4	1,533.38	1/4	1,864.28	1/4	2,195.18	1/4	2,525.86	1/4	2,856.54	1/4	3,187.22
1/2	265.67	1/2	561.41	1/2	881.09	1/2	1,210.19	1/2	1,540.27	1/2	1,871.17	1/2	2,202.07	1/2	2,532.75	1/2	2,863.43	1/2	3,194.10
3/4	271.54	3/4	567.88	3/4	887.92	3/4	1,217.06	3/4	1,547.17	3/4	1,878.07	3/4	2,208.96	3/4	2,539.64	3/4	2,870.32	3/4	3,200.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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BARGE "EMS 3056"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,207.88	0	3,538.56	0	3,869.24	0	4,198.60	0	4,527.96	0	4,857.32	0	5,186.68	0	5,516.04	0	5,845.40	0	6,174.76
1/4	3,214.77	1/4	3,545.45	1/4	3,876.13	1/4	4,205.45	1/4	4,534.77	1/4	4,864.09	1/4	5,193.41	1/4	5,522.73	1/4	5,852.05	1/4	6,181.37
1/2	3,221.66	1/2	3,552.34	1/2	3,883.01	1/2	4,212.31	1/2	4,541.63	1/2	4,870.95	1/2	5,200.27	1/2	5,529.59	1/2	5,858.91	1/2	6,188.23
3/4	3,228.55	3/4	3,559.23	3/4	3,889.90	3/4	4,219.17	3/4	4,548.49	3/4	4,877.81	3/4	5,207.13	3/4	5,536.45	3/4	5,866.17	3/4	6,196.95
1	3,235.44	1	3,566.12	1	3,896.79	1	4,226.02	1	4,555.54	1	4,884.86	1	5,213.58	1	5,542.90	1	5,872.22	1	6,205.84
1/4	3,242.33	1/4	3,573.01	1/4	3,903.68	1/4	4,232.88	1/4	4,561.63	1/4	4,890.95	1/4	5,220.52	1/4	5,549.84	1/4	5,879.16	1/4	6,212.73
1/2	3,249.22	1/2	3,579.89	1/2	3,910.57	1/2	4,239.74	1/2	4,568.52	1/2	4,897.84	1/2	5,227.41	1/2	5,556.73	1/2	5,886.05	1/2	6,219.64
3/4	3,256.11	3/4	3,586.78	3/4	3,917.44	3/4	4,246.59	3/4	4,575.41	3/4	4,904.71	3/4	5,234.28	3/4	5,563.65	3/4	5,893.37	3/4	6,226.55
2	3,263.00	2	3,593.67	2	3,924.31	2	4,253.45	2	4,582.29	2	4,913.61	2	5,241.15	2	5,570.57	2	5,901.89	2	6,233.44
1/4	3,269.88	1/4	3,600.56	1/4	3,931.18	1/4	4,260.31	1/4	4,591.17	1/4	4,920.49	1/4	5,248.02	1/4	5,577.45	1/4	5,908.77	1/4	6,240.33
1/2	3,276.77	1/2	3,607.45	1/2	3,938.05	1/2	4,267.16	1/2	4,598.06	1/2	4,927.40	1/2	5,254.87	1/2	5,584.36	1/2	5,915.66	1/2	6,247.22
3/4	3,283.66	3/4	3,614.34	3/4	3,944.90	3/4	4,274.02	3/4	4,604.95	3/4	4,934.29	3/4	5,261.74	3/4	5,591.25	3/4	5,922.55	3/4	6,254.11
3	3,290.55	3	3,621.23	3	3,951.76	3	4,280.88	3	4,611.93	3	4,941.27	3	5,268.65	3	5,598.14	3	5,929.46	3	6,261.00
1/4	3,297.44	1/4	3,628.12	1/4	3,958.62	1/4	4,287.73	1/4	4,618.82	1/4	4,948.16	1/4	5,275.52	1/4	5,605.03	1/4	5,936.35	1/4	6,267.89
1/2	3,304.33	1/2	3,635.01	1/2	3,965.47	1/2	4,294.59	1/2	4,625.71	1/2	4,955.00	1/2	5,282.41	1/2	5,611.92	1/2	5,943.26	1/2	6,274.78
3/4	3,311.22	3/4	3,641.90	3/4	3,972.33	3/4	4,301.41	3/4	4,632.85	3/4	4,961.14	3/4	5,289.30	3/4	5,618.83	3/4	5,950.11	3/4	6,281.67
4	3,318.11	4	3,648.79	4	3,979.19	4	4,308.22	4	4,639.36	4	4,968.70	4	5,296.19	4	5,625.74	4	5,956.92	4	6,288.56
1/4	3,325.00	1/4	3,655.67	1/4	3,986.04	1/4	4,315.04	1/4	4,646.50	1/4	4,975.04	1/4	5,303.08	1/4	5,632.65	1/4	5,963.73	1/4	6,295.45
1/2	3,331.89	1/2	3,662.56	1/2	3,992.90	1/2	4,321.86	1/2	4,653.64	1/2	4,982.18	1/2	5,310.00	1/2	5,639.56	1/2	5,970.54	1/2	6,302.34
3/4	3,338.78	3/4	3,669.45	3/4	3,999.76	3/4	4,328.66	3/4	4,661.78	3/4	4,989.32	3/4	5,316.91	3/4	5,646.47	3/4	5,977.43	3/4	6,309.23
5	3,345.67	5	3,676.34	5	4,006.61	5	4,335.47	5	4,668.92	5	4,996.46	5	5,323.82	5	5,653.38	5	5,984.32	5	6,316.12
1/4	3,352.55	1/4	3,683.23	1/4	4,013.47	1/4	4,342.27	1/4	4,676.06	1/4	4,999.60	1/4	5,330.73	1/4	5,660.29	1/4	5,991.21	1/4	6,323.01
1/2	3,359.44	1/2	3,690.12	1/2	4,020.33	1/2	4,349.07	1/2	4,683.20	1/2	5,006.74	1/2	5,337.64	1/2	5,667.20	1/2	5,998.10	1/2	6,329.90
3/4	3,366.33	3/4	3,697.01	3/4	4,027.18	3/4	4,355.88	3/4	4,690.34	3/4	5,013.88	3/4	5,344.55	3/4	5,674.11	3/4	6,005.00	3/4	6,336.79
6	3,373.22	6	3,703.90	6	4,034.04	6	4,362.68	6	4,697.48	6	5,021.02	6	5,351.46	6	5,681.02	6	6,011.89	6	6,343.68
1/4	3,380.11	1/4	3,710.79	1/4	4,040.90	1/4	4,369.49	1/4	4,704.62	1/4	5,028.16	1/4	5,358.37	1/4	5,687.93	1/4	6,018.78	1/4	6,350.57
1/2	3,387.00	1/2	3,717.68	1/2	4,047.75	1/2	4,376.29	1/2	4,711.76	1/2	5,035.30	1/2	5,365.28	1/2	5,694.84	1/2	6,025.67	1/2	6,357.46
3/4	3,393.89	3/4	3,724.57	3/4	4,054.61	3/4	4,383.10	3/4	4,718.90	3/4	5,042.44	3/4	5,372.19	3/4	5,701.73	3/4	6,032.56	3/4	6,364.35
7	3,400.78	7	3,731.45	7	4,061.47	7	4,389.90	7	4,726.04	7	5,049.58	7	5,379.08	7	5,708.66	7	6,039.45	7	6,371.24
1/4	3,407.67	1/4	3,738.34	1/4	4,068.32	1/4	4,396.70	1/4	4,733.18	1/4	5,056.72	1/4	5,385.97	1/4	5,715.55	1/4	6,046.34	1/4	6,378.13
1/2	3,414.56	1/2	3,745.23	1/2	4,075.18	1/2	4,403.51	1/2	4,740.32	1/2	5,063.86	1/2	5,392.86	1/2	5,722.44	1/2	6,053.23	1/2	6,385.02
3/4	3,421.45	3/4	3,752.12	3/4	4,082.04	3/4	4,410.32	3/4	4,747.46	3/4	5,071.00	3/4	5,400.00	3/4	5,729.32	3/4	6,060.12	3/4	6,391.91
8	3,428.33	8	3,759.01	8	4,088.89	8	4,417.12	8	4,754.60	8	5,078.14	8	5,407.09	8	5,736.21	8	6,067.01	8	6,398.80
1/4	3,435.22	1/4	3,765.90	1/4	4,095.75	1/4	4,423.93	1/4	4,761.74	1/4	5,085.28	1/4	5,414.18	1/4	5,743.10	1/4	6,073.90	1/4	6,405.69
1/2	3,442.11	1/2	3,772.79	1/2	4,102.61	1/2	4,430.74	1/2	4,768.88	1/2	5,092.42	1/2	5,421.27	1/2	5,750.21	1/2	6,080.79	1/2	6,412.58
3/4	3,449.00	3/4	3,779.68	3/4	4,109.46	3/4	4,437.12	3/4	4,775.02	3/4	5,100.56	3/4	5,428.36	3/4	5,757.32	3/4	6,087.68	3/4	6,419.47
9	3,455.89	9	3,786.57	9	4,116.32	9	4,443.49	9	4,781.16	9	5,107.70	9	5,435.50	9	5,764.43	9	6,094.57	9	6,426.36
1/4	3,462.78	1/4	3,793.46	1/4	4,123.18	1/4	4,449.87	1/4	4,787.30	1/4	5,114.84	1/4	5,442.62	1/4	5,771.55	1/4	6,101.46	1/4	6,433.25
1/2	3,469.67	1/2	3,800.35	1/2	4,130.03	1/2	4,456.25	1/2	4,793.44	1/2	5,121.98	1/2	5,449.76	1/2	5,778.66	1/2	6,108.35	1/2	6,440.14
3/4	3,476.56	3/4	3,807.23	3/4	4,136.89	3/4	4,461.62	3/4	4,799.58	3/4	5,129.12	3/4	5,456.89	3/4	5,785.77	3/4	6,115.24	3/4	6,447.03
10	3,483.45	10	3,814.12	10	4,143.74	10	4,467.00	10	4,804.70	10	5,136.26	10	5,464.01	10	5,792.88	10	6,122.13	10	6,453.92
1/4	3,490.34	1/4	3,821.01	1/4	4,150.60	1/4	4,472.37	1/4	4,810.80	1/4	5,143.40	1/4	5,471.12	1/4	5,800.00	1/4	6,129.02	1/4	6,460.81
1/2	3,497.23	1/2	3,827.90	1/2	4,157.46	1/2	4,477.74	1/2	4,816.92	1/2	5,150.54	1/2	5,478.23	1/2	5,807.09	1/2	6,135.91	1/2	6,467.70
3/4	3,504.11	3/4	3,834.79	3/4	4,164.31	3/4	4,483.11	3/4	4,823.04	3/4	5,157.68	3/4	5,485.34	3/4	5,814.18	3/4	6,142.80	3/4	6,474.59
11	3,511.00	11	3,841.68	11	4,171.17	11	4,488.19	11	4,828.16	11	5,164.82	11	5,492.46	11	5,821.27	11	6,149.69	11	6,481.48
1/4	3,517.89	1/4	3,848.57	1/4	4,178.03	1/4	4,493.38	1/4	4,833.29	1/4	5,171.96	1/4	5,499.59	1/4	5,828.36	1/4	6,156.58	1/4	6,488.37
1/2	3,524.78	1/2	3,855.46	1/2	4,184.88	1/2	4,498.50	1/2	4,838.40	1/2	5,179.10	1/2	5,505.72	1/2	5,835.45	1/2	6,163.47	1/2	6,495.26
3/4	3,531.67	3/4	3,862.35	3/4	4,191.74	3/4	4,503.61	3/4	4,843.51	3/4	5,186.24	3/4	5,512.83	3/4	5,842.54	3/4	6,170.36	3/4	6,502.15

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/17/2024 CL
 CALCULATED: 04/17/2024 JS
 PRINTED: 04/17/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77568
<http://www.dmacorp.net>



BARGE "EMS 3056"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	22.88	0	277.76	0	575.07	0	896.34	0	1,226.55	0	1,567.06	0	1,888.34	0	2,219.61	0	2,550.68	0	2,881.74
1/4	25.47	1/4	283.63	1/4	581.55	1/4	903.20	1/4	1,233.42	1/4	1,563.97	1/4	1,895.24	1/4	2,226.51	1/4	2,557.57	1/4	2,888.64
1/2	28.07	1/2	289.51	1/2	588.03	1/2	910.06	1/2	1,240.30	1/2	1,570.87	1/2	1,902.14	1/2	2,233.41	1/2	2,564.47	1/2	2,895.53
3/4	31.51	3/4	295.42	3/4	594.55	3/4	916.92	3/4	1,247.17	3/4	1,577.77	3/4	1,909.05	3/4	2,240.31	3/4	2,571.37	3/4	2,902.43
1	34.96	1	301.33	1	601.07	1	923.78	1	1,254.04	1	1,584.67	1	1,915.95	1	2,247.20	1	2,578.27	1	2,909.33
1/4	38.40	1/4	307.25	1/4	607.59	1/4	930.64	1/4	1,260.90	1/4	1,591.57	1/4	1,922.85	1/4	2,254.10	1/4	2,585.16	1/4	2,916.22
1/2	41.85	1/2	313.16	1/2	614.11	1/2	937.50	1/2	1,267.77	1/2	1,598.47	1/2	1,929.75	1/2	2,261.00	1/2	2,592.06	1/2	2,923.12
3/4	46.47	3/4	319.12	3/4	620.66	3/4	944.36	3/4	1,274.64	3/4	1,605.38	3/4	1,936.65	3/4	2,267.90	3/4	2,598.96	3/4	2,930.02
2	51.10	2	325.07	2	627.22	2	951.22	2	1,281.51	2	1,612.28	2	1,943.55	2	2,274.79	2	2,605.85	2	2,936.91
1/4	55.73	1/4	331.03	1/4	633.77	1/4	958.08	1/4	1,288.38	1/4	1,619.18	1/4	1,950.46	1/4	2,281.69	1/4	2,612.75	1/4	2,943.81
1/2	60.36	1/2	336.98	1/2	640.33	1/2	964.95	1/2	1,295.24	1/2	1,626.08	1/2	1,957.36	1/2	2,288.59	1/2	2,619.65	1/2	2,950.71
3/4	65.74	3/4	342.98	3/4	646.92	3/4	971.81	3/4	1,302.11	3/4	1,632.98	3/4	1,964.26	3/4	2,295.48	3/4	2,626.55	3/4	2,957.61
3	71.13	3	348.98	3	653.51	3	978.67	3	1,308.98	3	1,639.88	3	1,971.16	3	2,302.38	3	2,633.44	3	2,964.50
1/4	76.52	1/4	354.98	1/4	660.11	1/4	985.53	1/4	1,315.85	1/4	1,646.78	1/4	1,978.06	1/4	2,309.28	1/4	2,640.34	1/4	2,971.40
1/2	81.90	1/2	360.98	1/2	666.70	1/2	992.39	1/2	1,322.71	1/2	1,653.69	1/2	1,984.96	1/2	2,316.18	1/2	2,647.24	1/2	2,978.30
3/4	87.47	3/4	367.01	3/4	673.34	3/4	999.25	3/4	1,329.58	3/4	1,660.59	3/4	1,991.86	3/4	2,323.07	3/4	2,654.13	3/4	2,985.19
4	93.04	4	373.05	4	679.97	4	1,006.11	4	1,336.45	4	1,667.49	4	1,998.77	4	2,329.87	4	2,661.03	4	2,992.09
1/4	98.61	1/4	379.08	1/4	686.61	1/4	1,012.98	1/4	1,343.32	1/4	1,674.39	1/4	2,005.67	1/4	2,336.87	1/4	2,667.93	1/4	2,998.99
1/2	104.19	1/2	385.12	1/2	693.24	1/2	1,019.84	1/2	1,350.19	1/2	1,681.29	1/2	2,012.57	1/2	2,343.76	1/2	2,674.82	1/2	3,005.89
3/4	109.79	3/4	391.29	3/4	699.92	3/4	1,026.70	3/4	1,357.05	3/4	1,688.19	3/4	2,019.47	3/4	2,350.66	3/4	2,681.72	3/4	3,012.78
5	115.39	5	397.47	5	706.59	5	1,033.57	5	1,363.92	5	1,695.10	5	2,023.27	5	2,357.56	5	2,688.62	5	3,019.68
1/4	121.00	1/4	403.65	1/4	713.27	1/4	1,040.43	1/4	1,370.79	1/4	1,702.00	1/4	2,033.27	1/4	2,364.46	1/4	2,695.52	1/4	3,026.58
1/2	126.60	1/2	409.82	1/2	719.95	1/2	1,047.29	1/2	1,377.66	1/2	1,708.90	1/2	2,040.18	1/2	2,371.35	1/2	2,702.41	1/2	3,033.47
3/4	132.35	3/4	416.07	3/4	726.66	3/4	1,054.17	3/4	1,384.55	3/4	1,715.80	3/4	2,047.08	3/4	2,378.25	3/4	2,709.31	3/4	3,040.37
6	138.09	6	422.32	6	733.37	6	1,061.04	6	1,391.44	6	1,722.20	6	2,053.98	6	2,385.15	6	2,716.21	6	3,047.27
1/4	143.83	1/4	428.57	1/4	740.08	1/4	1,067.91	1/4	1,398.34	1/4	1,729.60	1/4	2,060.88	1/4	2,392.04	1/4	2,723.10	1/4	3,054.17
1/2	149.57	1/2	434.83	1/2	746.79	1/2	1,074.79	1/2	1,405.23	1/2	1,736.51	1/2	2,067.78	1/2	2,398.94	1/2	2,730.00	1/2	3,061.06
3/4	155.39	3/4	441.11	3/4	753.52	3/4	1,081.68	3/4	1,412.13	3/4	1,743.41	3/4	2,074.68	3/4	2,405.84	3/4	2,736.90	3/4	3,067.96
7	161.21	7	447.39	7	760.25	7	1,088.58	7	1,419.03	7	1,750.31	7	2,081.59	7	2,412.74	7	2,743.80	7	3,074.86
1/4	167.02	1/4	453.68	1/4	766.98	1/4	1,095.47	1/4	1,425.93	1/4	1,757.21	1/4	2,088.49	1/4	2,419.63	1/4	2,750.69	1/4	3,081.75
1/2	172.84	1/2	459.96	1/2	773.71	1/2	1,102.37	1/2	1,432.84	1/2	1,764.11	1/2	2,095.39	1/2	2,426.53	1/2	2,757.59	1/2	3,088.65
3/4	178.70	3/4	466.29	3/4	780.47	3/4	1,109.29	3/4	1,439.74	3/4	1,771.01	3/4	2,102.29	3/4	2,433.43	3/4	2,764.49	3/4	3,095.55
8	184.56	8	472.61	8	787.22	8	1,116.17	8	1,446.64	8	1,777.92	8	2,109.19	8	2,440.32	8	2,771.38	8	3,102.45
1/4	190.41	1/4	478.93	1/4	793.98	1/4	1,123.07	1/4	1,453.54	1/4	1,784.82	1/4	2,116.09	1/4	2,447.22	1/4	2,776.28	1/4	3,109.34
1/2	196.27	1/2	485.26	1/2	800.74	1/2	1,129.98	1/2	1,460.44	1/2	1,791.72	1/2	2,123.00	1/2	2,454.12	1/2	2,785.18	1/2	3,116.24
3/4	202.07	3/4	491.62	3/4	807.53	3/4	1,136.88	3/4	1,467.34	3/4	1,798.62	3/4	2,129.90	3/4	2,461.01	3/4	2,792.08	3/4	3,123.14
9	207.86	9	497.99	9	814.32	9	1,143.78	9	1,474.24	9	1,805.52	9	2,136.80	9	2,467.91	9	2,798.97	9	3,130.03
1/4	213.65	1/4	504.35	1/4	821.11	1/4	1,150.68	1/4	1,481.15	1/4	1,812.42	1/4	2,143.70	1/4	2,474.81	1/4	2,805.87	1/4	3,136.93
1/2	219.45	1/2	510.72	1/2	827.89	1/2	1,157.58	1/2	1,488.05	1/2	1,819.32	1/2	2,150.60	1/2	2,481.71	1/2	2,812.77	1/2	3,143.83
3/4	225.25	3/4	517.13	3/4	834.72	3/4	1,164.48	3/4	1,494.95	3/4	1,826.23	3/4	2,157.50	3/4	2,488.60	3/4	2,819.66	3/4	3,150.72
10	231.05	10	523.53	10	841.55	10	1,171.38	10	1,501.85	10	1,833.13	10	2,164.40	10	2,495.50	10	2,826.56	10	3,157.62
1/4	236.85	1/4	529.94	1/4	848.37	1/4	1,178.29	1/4	1,508.73	1/4	1,840.03	1/4	2,171.31	1/4	2,502.40	1/4	2,833.46	1/4	3,164.52
1/2	242.65	1/2	536.34	1/2	855.20	1/2	1,185.19	1/2	1,515.65	1/2	1,846.93	1/2	2,178.21	1/2	2,509.29	1/2	2,840.36	1/2	3,171.42
3/4	248.49	3/4	542.79	3/4	862.05	3/4	1,192.09	3/4	1,522.56	3/4	1,853.83	3/4	2,185.11	3/4	2,516.19	3/4	2,847.25	3/4	3,178.31
11	254.33	11	549.23	11	868.91	11	1,198.99	11	1,529.46	11	1,860.73	11	2,192.01	11	2,523.09	11	2,854.15	11	3,185.21
1/4	260.17	1/4	555.67	1/4	875.76	1/4	1,205.89	1/4	1,536.36	1/4	1,867.64	1/4	2,198.91	1/4	2,529.99	1/4	2,861.05	1/4	3,192.11
1/2	266.01	1/2	562.11	1/2	882.61	1/2	1,212.79	1/2	1,543.26	1/2	1,874.54	1/2	2,205.81	1/2	2,536.88	1/2	2,867.94	1/2	3,199.00
3/4	271.88	3/4	568.59	3/4	889.48	3/4	1,219.67	3/4	1,550.16	3/4	1,881.44	3/4	2,212.71	3/4	2,543.78	3/4	2,874.84	3/4	3,205.90

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 42'-00" FORWARD OF BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3056"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,212.80	0	3,543.86	0	3,874.92	0	4,204.64	0	4,534.36	0	4,864.08	0	5,193.80	0	5,523.52	0	5,853.24	0	6,182.96
1/4	3,219.70	1/4	3,550.76	1/4	3,881.82	1/4	4,211.51	1/4	4,541.23	1/4	4,870.95	1/4	5,200.67	1/4	5,530.39	1/4	5,860.11	1/4	6,189.83
1/2	3,226.59	1/2	3,557.65	1/2	3,888.71	1/2	4,218.37	1/2	4,548.09	1/2	4,877.81	1/2	5,207.53	1/2	5,537.25	1/2	5,866.97	1/2	6,196.69
3/4	3,233.49	3/4	3,564.55	3/4	3,895.61	3/4	4,225.24	3/4	4,554.96	3/4	4,884.68	3/4	5,216.40	3/4	5,546.12	3/4	5,875.84	3/4	6,205.56
1	3,240.39	1	3,571.45	1	3,902.51	1	4,232.10	1	4,561.82	1	4,891.54	1	5,225.26	1	5,555.98	1	5,885.70	1	6,214.42
1/4	3,247.28	1/4	3,578.35	1/4	3,909.41	1/4	4,238.96	1/4	4,568.67	1/4	4,898.39	1/4	5,231.92	1/4	5,562.44	1/4	5,892.16	1/4	6,221.32
1/2	3,254.18	1/2	3,585.24	1/2	3,916.30	1/2	4,245.83	1/2	4,575.54	1/2	4,905.26	1/2	5,238.78	1/2	5,569.30	1/2	5,900.04	1/2	6,228.22
3/4	3,261.08	3/4	3,592.14	3/4	3,923.18	3/4	4,252.69	3/4	4,582.45	3/4	4,912.17	3/4	5,245.62	3/4	5,576.14	3/4	5,906.88	3/4	6,235.12
2	3,267.98	2	3,599.04	2	3,930.05	2	4,259.56	2	4,591.36	2	4,919.08	2	5,252.46	2	5,582.98	2	5,913.74	2	6,242.02
1/4	3,274.87	1/4	3,605.93	1/4	3,936.92	1/4	4,266.42	1/4	4,600.21	1/4	4,927.93	1/4	5,259.30	1/4	5,589.90	1/4	5,920.60	1/4	6,248.92
1/2	3,281.77	1/2	3,612.83	1/2	3,943.79	1/2	4,273.29	1/2	4,607.10	1/2	4,934.82	1/2	5,266.14	1/2	5,596.80	1/2	5,927.50	1/2	6,255.82
3/4	3,288.67	3/4	3,619.73	3/4	3,950.66	3/4	4,280.15	3/4	4,614.99	3/4	4,941.71	3/4	5,272.98	3/4	5,603.70	3/4	5,934.40	3/4	6,262.72
3	3,295.56	3	3,626.62	3	3,957.52	3	4,287.02	3	4,621.16	3	4,948.88	3	5,279.82	3	5,610.60	3	5,941.30	3	6,269.62
1/4	3,302.46	1/4	3,633.52	1/4	3,964.38	1/4	4,293.88	1/4	4,628.35	1/4	4,956.05	1/4	5,286.66	1/4	5,617.50	1/4	5,948.20	1/4	6,276.52
1/2	3,309.36	1/2	3,640.42	1/2	3,971.25	1/2	4,300.75	1/2	4,635.52	1/2	4,963.22	1/2	5,293.50	1/2	5,624.40	1/2	5,955.10	1/2	6,283.42
3/4	3,316.26	3/4	3,647.32	3/4	3,978.11	3/4	4,307.57	3/4	4,642.69	3/4	4,970.39	3/4	5,300.34	3/4	5,631.30	3/4	5,962.00	3/4	6,290.32
4	3,323.15	4	3,654.21	4	3,984.98	4	4,314.39	4	4,649.86	4	4,977.56	4	5,307.18	4	5,638.20	4	5,968.90	4	6,297.22
1/4	3,330.05	1/4	3,661.11	1/4	3,991.84	1/4	4,321.22	1/4	4,657.03	1/4	4,984.71	1/4	5,314.02	1/4	5,645.10	1/4	5,975.80	1/4	6,304.12
1/2	3,336.95	1/2	3,668.01	1/2	3,998.71	1/2	4,328.04	1/2	4,664.20	1/2	4,991.88	1/2	5,320.86	1/2	5,652.00	1/2	5,982.70	1/2	6,311.02
3/4	3,343.84	3/4	3,674.90	3/4	4,005.57	3/4	4,334.86	3/4	4,671.37	3/4	4,999.05	3/4	5,327.70	3/4	5,658.90	3/4	5,989.60	3/4	6,317.92
5	3,350.74	5	3,681.80	5	4,012.44	5	4,341.67	5	4,678.54	5	5,006.22	5	5,334.54	5	5,665.80	5	5,996.50	5	6,324.82
1/4	3,357.64	1/4	3,688.70	1/4	4,019.30	1/4	4,348.48	1/4	4,685.71	1/4	5,013.39	1/4	5,341.38	1/4	5,672.70	1/4	6,003.60	1/4	6,331.72
1/2	3,364.53	1/2	3,695.60	1/2	4,026.17	1/2	4,355.29	1/2	4,692.88	1/2	5,020.56	1/2	5,348.22	1/2	5,679.60	1/2	6,010.50	1/2	6,338.62
3/4	3,371.43	3/4	3,702.49	3/4	4,033.03	3/4	4,362.10	3/4	4,700.05	3/4	5,027.73	3/4	5,355.06	3/4	5,686.50	3/4	6,017.40	3/4	6,345.52
6	3,378.33	6	3,709.39	6	4,039.89	6	4,368.92	6	4,707.22	6	5,034.90	6	5,361.90	6	5,693.40	6	6,024.30	6	6,352.42
1/4	3,385.23	1/4	3,716.29	1/4	4,046.76	1/4	4,375.73	1/4	4,714.39	1/4	5,042.07	1/4	5,368.74	1/4	5,700.30	1/4	6,031.20	1/4	6,359.32
1/2	3,392.12	1/2	3,723.18	1/2	4,053.62	1/2	4,382.54	1/2	4,721.56	1/2	5,049.24	1/2	5,375.58	1/2	5,707.20	1/2	6,038.10	1/2	6,366.22
3/4	3,399.02	3/4	3,730.08	3/4	4,060.49	3/4	4,389.35	3/4	4,730.75	3/4	5,056.41	3/4	5,382.42	3/4	5,714.10	3/4	6,045.00	3/4	6,373.12
7	3,405.92	7	3,736.98	7	4,067.35	7	4,396.16	7	4,738.10	7	5,063.58	7	5,389.26	7	5,721.00	7	6,051.90	7	6,380.02
1/4	3,412.81	1/4	3,743.88	1/4	4,074.22	1/4	4,402.98	1/4	4,745.99	1/4	5,070.75	1/4	5,395.90	1/4	5,727.90	1/4	6,058.80	1/4	6,386.92
1/2	3,419.71	1/2	3,750.77	1/2	4,081.08	1/2	4,409.79	1/2	4,753.78	1/2	5,077.92	1/2	5,402.70	1/2	5,734.80	1/2	6,065.70	1/2	6,393.82
3/4	3,426.61	3/4	3,757.67	3/4	4,087.95	3/4	4,416.60	3/4	4,761.57	3/4	5,085.05	3/4	5,409.50	3/4	5,741.70	3/4	6,072.60	3/4	6,400.72
8	3,433.51	8	3,764.57	8	4,094.81	8	4,423.42	8	4,769.46	8	5,092.18	8	5,416.40	8	5,748.60	8	6,079.50	8	6,407.62
1/4	3,440.40	1/4	3,771.46	1/4	4,101.67	1/4	4,430.24	1/4	4,777.31	1/4	5,100.05	1/4	5,423.30	1/4	5,755.50	1/4	6,086.40	1/4	6,414.52
1/2	3,447.30	1/2	3,778.36	1/2	4,108.54	1/2	4,437.05	1/2	4,785.10	1/2	5,107.90	1/2	5,430.20	1/2	5,762.40	1/2	6,093.30	1/2	6,421.42
3/4	3,454.20	3/4	3,785.26	3/4	4,115.40	3/4	4,443.84	3/4	4,792.99	3/4	5,115.75	3/4	5,437.10	3/4	5,769.30	3/4	6,100.20	3/4	6,428.32
9	3,461.09	9	3,792.16	9	4,122.27	9	4,449.62	9	4,800.88	9	5,122.60	9	5,444.00	9	5,776.20	9	6,107.10	9	6,435.22
1/4	3,467.99	1/4	3,799.05	1/4	4,129.13	1/4	4,456.21	1/4	4,808.77	1/4	5,130.45	1/4	5,450.90	1/4	5,783.10	1/4	6,114.00	1/4	6,442.12
1/2	3,474.89	1/2	3,805.95	1/2	4,136.00	1/2	4,462.59	1/2	4,816.66	1/2	5,138.30	1/2	5,457.80	1/2	5,790.00	1/2	6,120.90	1/2	6,449.02
3/4	3,481.79	3/4	3,812.85	3/4	4,142.86	3/4	4,468.97	3/4	4,824.83	3/4	5,146.15	3/4	5,464.70	3/4	5,796.90	3/4	6,127.80	3/4	6,455.92
10	3,488.68	10	3,819.74	10	4,149.73	10	4,473.35	10	4,832.70	10	5,153.00	10	5,470.60	10	5,803.00	10	6,134.70	10	6,462.82
1/4	3,495.58	1/4	3,826.64	1/4	4,156.59	1/4	4,478.73	1/4	4,840.77	1/4	5,160.85	1/4	5,477.50	1/4	5,810.00	1/4	6,141.60	1/4	6,469.72
1/2	3,502.48	1/2	3,833.54	1/2	4,163.46	1/2	4,484.10	1/2	4,848.84	1/2	5,168.70	1/2	5,484.40	1/2	5,816.90	1/2	6,148.50	1/2	6,476.62
3/4	3,509.37	3/4	3,840.43	3/4	4,170.32	3/4	4,488.33	3/4	4,857.17	3/4	5,176.55	3/4	5,491.30	3/4	5,823.80	3/4	6,155.40	3/4	6,483.52
11	3,516.27	11	3,847.33	11	4,177.18	11	4,492.56	11	4,865.52	11	5,183.70	11	5,498.20	11	5,830.70	11	6,162.30	11	6,490.42
1/4	3,523.17	1/4	3,854.23	1/4	4,184.05	1/4	4,498.79	1/4	4,874.85	1/4	5,191.00	1/4	5,505.10	1/4	5,837.60	1/4	6,169.20	1/4	6,497.32
1/2	3,530.07	1/2	3,861.13	1/2	4,190.91	1/2	4,505.02	1/2	4,883.20	1/2	5,198.80	1/2	5,512.00	1/2	5,844.50	1/2	6,176.10	1/2	6,504.22
3/4	3,536.96	3/4	3,868.02	3/4	4,197.78	3/4	4,511.15	3/4	4,891.75	3/4	5,206.60	3/4	5,518.90	3/4	5,851.40	3/4	6,183.00	3/4	6,511.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/17/2024 CL
 CALCULATED: 04/17/2024 JS
 PRINTED: 04/17/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P. O. Box 2092
 Pearland, Texas 77568
<http://www.umatcord.net>



BARGE "EMS 3056"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	29.05	0	389.92	0	775.40	0	1,159.93	0	1,540.77	0	1,925.25	0	2,313.94	0	2,702.62	0	3,091.06	0	3,479.50
1/4	33.27	1/4	397.85	1/4	783.50	1/4	1,166.78	1/4	1,548.72	1/4	1,933.35	1/4	2,322.04	1/4	2,710.72	1/4	3,099.16	1/4	3,487.59
1/2	37.49	1/2	405.78	1/2	791.59	1/2	1,174.63	1/2	1,556.68	1/2	1,941.45	1/2	2,330.14	1/2	2,718.81	1/2	3,107.25	1/2	3,495.68
3/4	43.05	3/4	413.71	3/4	799.69	3/4	1,182.48	3/4	1,564.59	3/4	1,949.54	3/4	2,338.23	3/4	2,726.91	3/4	3,115.34	3/4	3,503.78
1	48.62	1	421.64	1	807.78	1	1,190.33	1	1,572.64	1	1,957.64	1	2,346.33	1	2,735.00	1	3,123.43	1	3,511.87
1/4	54.19	1/4	429.57	1/4	815.88	1/4	1,198.18	1/4	1,580.41	1/4	1,965.74	1/4	2,354.43	1/4	2,743.09	1/4	3,131.53	1/4	3,519.96
1/2	59.76	1/2	437.50	1/2	823.97	1/2	1,206.03	1/2	1,588.32	1/2	1,973.84	1/2	2,362.53	1/2	2,751.18	1/2	3,139.62	1/2	3,528.05
3/4	66.68	3/4	445.43	3/4	832.07	3/4	1,213.89	3/4	1,596.23	3/4	1,981.94	3/4	2,370.63	3/4	2,759.28	3/4	3,147.71	3/4	3,536.15
2	73.59	2	453.36	2	840.17	2	1,221.74	2	1,604.15	2	1,990.03	2	2,378.72	2	2,767.37	2	3,155.80	2	3,544.24
1/4	80.51	1/4	461.29	1/4	848.26	1/4	1,229.59	1/4	1,612.06	1/4	1,998.13	1/4	2,386.82	1/4	2,775.46	1/4	3,163.90	1/4	3,552.33
1/2	87.43	1/2	469.22	1/2	856.36	1/2	1,237.44	1/2	1,619.97	1/2	2,006.23	1/2	2,394.92	1/2	2,783.55	1/2	3,171.99	1/2	3,560.42
3/4	95.19	3/4	477.15	3/4	864.45	3/4	1,245.29	3/4	1,627.88	3/4	2,014.33	3/4	2,403.02	3/4	2,791.64	3/4	3,180.08	3/4	3,568.52
3	102.95	3	485.09	3	872.55	3	1,253.14	3	1,635.79	3	2,022.42	3	2,411.11	3	2,799.74	3	3,188.17	3	3,576.61
1/4	110.71	1/4	493.02	1/4	880.64	1/4	1,260.99	1/4	1,643.70	1/4	2,030.52	1/4	2,419.21	1/4	2,807.83	1/4	3,196.26	1/4	3,584.70
1/2	118.47	1/2	500.96	1/2	888.74	1/2	1,268.84	1/2	1,651.61	1/2	2,038.62	1/2	2,427.31	1/2	2,815.92	1/2	3,204.36	1/2	3,592.79
3/4	126.40	3/4	508.89	3/4	896.83	3/4	1,276.70	3/4	1,659.52	3/4	2,046.72	3/4	2,435.41	3/4	2,824.01	3/4	3,212.45	3/4	3,600.88
4	134.33	4	516.83	4	904.93	4	1,284.55	4	1,667.43	4	2,054.81	4	2,443.50	4	2,832.11	4	3,220.54	4	3,608.98
1/4	142.26	1/4	524.76	1/4	913.02	1/4	1,292.40	1/4	1,675.34	1/4	2,062.91	1/4	2,451.60	1/4	2,840.20	1/4	3,228.63	1/4	3,617.07
1/2	150.19	1/2	532.70	1/2	921.12	1/2	1,300.26	1/2	1,683.25	1/2	2,071.01	1/2	2,459.70	1/2	2,848.29	1/2	3,236.73	1/2	3,625.16
3/4	158.12	3/4	540.76	3/4	929.21	3/4	1,308.11	3/4	1,691.17	3/4	2,079.11	3/4	2,467.80	3/4	2,856.38	3/4	3,244.82	3/4	3,633.25
5	166.05	5	548.81	5	937.31	5	1,315.96	5	1,699.08	5	2,087.21	5	2,475.90	5	2,864.48	5	3,252.91	5	3,641.35
1/4	173.98	1/4	556.87	1/4	945.41	1/4	1,323.82	1/4	1,706.99	1/4	2,095.30	1/4	2,483.99	1/4	2,872.57	1/4	3,261.00	1/4	3,649.44
1/2	181.91	1/2	564.92	1/2	953.50	1/2	1,331.67	1/2	1,714.90	1/2	2,103.40	1/2	2,492.09	1/2	2,880.66	1/2	3,269.10	1/2	3,657.53
3/4	189.85	3/4	573.02	3/4	961.60	3/4	1,339.54	3/4	1,722.95	3/4	2,111.50	3/4	2,500.19	3/4	2,888.75	3/4	3,277.19	3/4	3,665.62
6	198.00	6	581.11	6	969.69	6	1,347.40	6	1,731.00	6	2,119.60	6	2,508.29	6	2,896.85	6	3,285.28	6	3,673.72
1/4	206.04	1/4	589.21	1/4	977.79	1/4	1,355.26	1/4	1,739.05	1/4	2,127.69	1/4	2,516.38	1/4	2,904.94	1/4	3,293.37	1/4	3,681.81
1/2	214.09	1/2	597.30	1/2	985.88	1/2	1,363.13	1/2	1,747.10	1/2	2,135.79	1/2	2,524.48	1/2	2,913.03	1/2	3,301.47	1/2	3,689.90
3/4	222.17	3/4	605.40	3/4	993.80	3/4	1,371.17	3/4	1,755.20	3/4	2,143.89	3/4	2,532.58	3/4	2,921.12	3/4	3,309.56	3/4	3,697.99
7	230.25	7	613.49	7	1,001.73	7	1,379.21	7	1,763.30	7	2,151.99	7	2,540.68	7	2,929.22	7	3,317.65	7	3,706.09
1/4	238.34	1/4	621.59	1/4	1,009.65	1/4	1,387.25	1/4	1,771.40	1/4	2,160.09	1/4	2,548.77	1/4	2,937.31	1/4	3,325.74	1/4	3,714.18
1/2	246.42	1/2	629.69	1/2	1,017.57	1/2	1,395.29	1/2	1,779.49	1/2	2,168.18	1/2	2,556.87	1/2	2,945.40	1/2	3,333.84	1/2	3,722.27
3/4	254.50	3/4	637.78	3/4	1,025.43	3/4	1,403.38	3/4	1,787.59	3/4	2,176.28	3/4	2,564.97	3/4	2,953.49	3/4	3,341.93	3/4	3,730.36
8	262.59	8	645.88	8	1,033.28	8	1,411.48	8	1,795.69	8	2,184.38	8	2,573.07	8	2,961.59	8	3,350.02	8	3,738.46
1/4	270.67	1/4	653.97	1/4	1,041.14	1/4	1,419.58	1/4	1,803.79	1/4	2,192.48	1/4	2,581.17	1/4	2,969.68	1/4	3,358.11	1/4	3,746.55
1/2	278.75	1/2	662.07	1/2	1,049.00	1/2	1,427.68	1/2	1,811.88	1/2	2,200.57	1/2	2,589.26	1/2	2,977.77	1/2	3,366.21	1/2	3,754.64
3/4	286.72	3/4	670.16	3/4	1,056.85	3/4	1,435.78	3/4	1,819.98	3/4	2,208.67	3/4	2,597.36	3/4	2,985.86	3/4	3,374.30	3/4	3,762.73
9	294.69	9	678.26	9	1,064.70	9	1,443.87	9	1,828.08	9	2,216.77	9	2,605.46	9	2,993.95	9	3,382.39	9	3,770.83
1/4	302.66	1/4	686.35	1/4	1,072.56	1/4	1,451.97	1/4	1,836.18	1/4	2,224.87	1/4	2,613.56	1/4	3,002.05	1/4	3,390.48	1/4	3,778.92
1/2	310.63	1/2	694.45	1/2	1,080.41	1/2	1,460.07	1/2	1,844.27	1/2	2,232.96	1/2	2,621.65	1/2	3,010.14	1/2	3,398.57	1/2	3,787.01
3/4	318.55	3/4	702.54	3/4	1,088.26	3/4	1,468.17	3/4	1,852.37	3/4	2,241.06	3/4	2,629.75	3/4	3,018.23	3/4	3,406.67	3/4	3,795.10
10	326.48	10	710.64	10	1,096.12	10	1,476.26	10	1,860.47	10	2,249.16	10	2,637.85	10	3,026.32	10	3,414.76	10	3,803.19
1/4	334.41	1/4	718.73	1/4	1,103.97	1/4	1,484.36	1/4	1,868.57	1/4	2,257.26	1/4	2,645.95	1/4	3,034.42	1/4	3,422.85	1/4	3,811.29
1/2	342.34	1/2	726.83	1/2	1,111.82	1/2	1,492.46	1/2	1,876.67	1/2	2,265.36	1/2	2,654.04	1/2	3,042.51	1/2	3,430.94	1/2	3,819.38
3/4	350.27	3/4	734.93	3/4	1,119.67	3/4	1,500.56	3/4	1,884.76	3/4	2,273.45	3/4	2,662.14	3/4	3,050.60	3/4	3,439.04	3/4	3,827.47
11	358.20	11	743.02	11	1,127.52	11	1,508.65	11	1,892.86	11	2,281.55	11	2,670.24	11	3,058.69	11	3,447.13	11	3,835.56
1/4	366.13	1/4	751.12	1/4	1,135.37	1/4	1,516.75	1/4	1,900.96	1/4	2,289.65	1/4	2,678.34	1/4	3,066.79	1/4	3,455.22	1/4	3,843.66
1/2	374.06	1/2	759.21	1/2	1,143.22	1/2	1,524.85	1/2	1,909.06	1/2	2,297.75	1/2	2,686.44	1/2	3,074.88	1/2	3,463.31	1/2	3,851.75
3/4	381.99	3/4	767.31	3/4	1,151.08	3/4	1,532.81	3/4	1,917.15	3/4	2,305.84	3/4	2,694.53	3/4	3,082.97	3/4	3,471.41	3/4	3,859.84

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 ONLY APPLIES TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3056"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	3,867.93	0	4,256.37	0	4,644.80	0	5,031.65	0	5,418.49	0	5,805.33	0	6,192.18	0	6,579.02	0	6,965.87	0	7,352.71
1/4	3,876.03	1/4	4,264.46	1/4	4,652.90	1/4	5,039.70	1/4	5,426.54	1/4	5,813.38	1/4	6,200.22	1/4	6,587.06	1/4	6,973.90	1/4	7,360.74
1/2	3,884.12	1/2	4,272.55	1/2	4,660.99	1/2	5,047.76	1/2	5,434.60	1/2	5,820.44	1/2	6,207.28	1/2	6,593.12	1/2	6,979.96	1/2	7,368.83
3/4	3,892.21	3/4	4,280.65	3/4	4,669.08	3/4	5,055.81	3/4	5,441.69	3/4	5,826.57	3/4	6,213.71	3/4	6,601.20	3/4	6,987.04	3/4	7,376.91
1	3,900.30	1	4,288.74	1	4,677.17	1	5,063.87	1	5,449.78	1	5,834.64	1	6,221.76	1	6,609.28	1	6,995.12	1	7,385.02
1/4	3,908.40	1/4	4,296.83	1/4	4,685.27	1/4	5,071.92	1/4	5,457.87	1/4	5,842.72	1/4	6,229.81	1/4	6,617.35	1/4	7,003.25	1/4	7,393.13
1/2	3,916.49	1/2	4,304.92	1/2	4,693.36	1/2	5,079.97	1/2	5,465.96	1/2	5,850.77	1/2	6,237.86	1/2	6,625.44	1/2	7,011.34	1/2	7,401.24
3/4	3,924.58	3/4	4,313.02	3/4	4,701.42	3/4	5,088.03	3/4	5,474.05	3/4	5,858.82	3/4	6,245.91	3/4	6,633.53	3/4	7,019.43	3/4	7,409.35
2	3,932.67	2	4,321.11	2	4,709.48	2	5,096.08	2	5,482.14	2	5,866.87	2	6,253.96	2	6,641.62	2	7,027.52	2	7,417.46
1/4	3,940.77	1/4	4,329.20	1/4	4,717.54	1/4	5,104.13	1/4	5,490.23	1/4	5,874.92	1/4	6,262.01	1/4	6,649.71	1/4	7,035.61	1/4	7,425.57
1/2	3,948.86	1/2	4,337.29	1/2	4,725.61	1/2	5,112.19	1/2	5,498.32	1/2	5,883.01	1/2	6,270.06	1/2	6,657.80	1/2	7,043.70	1/2	7,433.68
3/4	3,956.95	3/4	4,345.39	3/4	4,733.66	3/4	5,120.24	3/4	5,506.41	3/4	5,891.10	3/4	6,278.11	3/4	6,665.89	3/4	7,051.79	3/4	7,441.79
3	3,965.04	3	4,353.48	3	4,741.71	3	5,128.30	3	5,514.50	3	5,900.19	3	6,286.16	3	6,673.98	3	7,059.88	3	7,449.90
1/4	3,973.14	1/4	4,361.57	1/4	4,749.77	1/4	5,136.35	1/4	5,522.59	1/4	5,908.28	1/4	6,294.21	1/4	6,682.07	1/4	7,067.97	1/4	7,458.01
1/2	3,981.23	1/2	4,369.66	1/2	4,757.82	1/2	5,144.40	1/2	5,530.68	1/2	5,916.37	1/2	6,302.26	1/2	6,690.16	1/2	7,076.06	1/2	7,466.12
3/4	3,989.32	3/4	4,377.76	3/4	4,765.87	3/4	5,152.41	3/4	5,538.77	3/4	5,924.46	3/4	6,310.31	3/4	6,698.25	3/4	7,084.15	3/4	7,474.23
4	3,997.41	4	4,385.85	4	4,773.93	4	5,160.42	4	5,546.86	4	5,932.55	4	6,318.36	4	6,706.34	4	7,092.24	4	7,482.34
1/4	4,005.50	1/4	4,393.94	1/4	4,781.98	1/4	5,168.43	1/4	5,554.95	1/4	5,940.64	1/4	6,326.41	1/4	6,714.43	1/4	7,100.33	1/4	7,490.45
1/2	4,013.60	1/2	4,402.03	1/2	4,790.04	1/2	5,176.44	1/2	5,563.04	1/2	5,948.73	1/2	6,334.46	1/2	6,722.52	1/2	7,108.42	1/2	7,498.56
3/4	4,021.69	3/4	4,410.12	3/4	4,798.09	3/4	5,184.43	3/4	5,571.13	3/4	5,956.82	3/4	6,342.51	3/4	6,730.61	3/4	7,116.51	3/4	7,506.67
5	4,029.78	5	4,418.22	5	4,806.14	5	5,192.42	5	5,579.22	5	5,964.91	5	6,350.56	5	6,738.70	5	7,124.60	5	7,514.78
1/4	4,037.87	1/4	4,426.31	1/4	4,814.20	1/4	5,200.41	1/4	5,587.31	1/4	5,973.00	1/4	6,358.61	1/4	6,746.79	1/4	7,132.69	1/4	7,522.89
1/2	4,045.97	1/2	4,434.40	1/2	4,822.25	1/2	5,208.41	1/2	5,595.31	1/2	5,981.00	1/2	6,366.66	1/2	6,754.88	1/2	7,140.78	1/2	7,531.00
3/4	4,054.06	3/4	4,442.49	3/4	4,830.30	3/4	5,216.40	3/4	5,603.40	3/4	5,989.00	3/4	6,374.71	3/4	6,762.97	3/4	7,148.87	3/4	7,539.11
6	4,062.15	6	4,450.59	6	4,838.36	6	5,224.39	6	5,611.39	6	5,997.00	6	6,382.76	6	6,771.06	6	7,156.96	6	7,547.22
1/4	4,070.24	1/4	4,458.68	1/4	4,846.41	1/4	5,232.38	1/4	5,619.38	1/4	5,999.00	1/4	6,390.81	1/4	6,779.15	1/4	7,165.05	1/4	7,555.33
1/2	4,078.34	1/2	4,466.77	1/2	4,854.47	1/2	5,240.38	1/2	5,627.37	1/2	6,007.00	1/2	6,398.86	1/2	6,787.24	1/2	7,173.14	1/2	7,563.44
3/4	4,086.43	3/4	4,474.86	3/4	4,862.52	3/4	5,248.37	3/4	5,635.36	3/4	6,015.00	3/4	6,406.91	3/4	6,795.33	3/4	7,181.23	3/4	7,571.55
7	4,094.52	7	4,482.96	7	4,870.57	7	5,256.36	7	5,643.36	7	6,023.00	7	6,414.96	7	6,803.42	7	7,189.32	7	7,579.66
1/4	4,102.61	1/4	4,491.05	1/4	4,878.63	1/4	5,264.35	1/4	5,651.35	1/4	6,031.00	1/4	6,423.01	1/4	6,811.51	1/4	7,197.41	1/4	7,587.77
1/2	4,110.71	1/2	4,499.14	1/2	4,886.68	1/2	5,272.34	1/2	5,659.34	1/2	6,039.00	1/2	6,431.06	1/2	6,819.60	1/2	7,205.50	1/2	7,595.88
3/4	4,118.80	3/4	4,507.23	3/4	4,894.74	3/4	5,280.34	3/4	5,667.34	3/4	6,047.00	3/4	6,439.11	3/4	6,827.69	3/4	7,213.59	3/4	7,604.00
8	4,126.89	8	4,515.33	8	4,902.79	8	5,288.34	8	5,675.33	8	6,055.00	8	6,447.16	8	6,835.78	8	7,221.68	8	7,612.11
1/4	4,134.98	1/4	4,523.42	1/4	4,910.84	1/4	5,296.33	1/4	5,683.33	1/4	6,063.00	1/4	6,455.21	1/4	6,843.87	1/4	7,229.77	1/4	7,620.22
1/2	4,143.08	1/2	4,531.51	1/2	4,918.90	1/2	5,304.33	1/2	5,691.33	1/2	6,071.00	1/2	6,463.26	1/2	6,851.96	1/2	7,237.86	1/2	7,628.33
3/4	4,151.17	3/4	4,539.60	3/4	4,926.95	3/4	5,311.82	3/4	5,700.33	3/4	6,079.00	3/4	6,471.31	3/4	6,860.05	3/4	7,245.95	3/4	7,636.44
9	4,159.26	9	4,547.70	9	4,935.00	9	5,319.32	9	5,708.33	9	6,087.00	9	6,479.36	9	6,868.14	9	7,254.04	9	7,644.55
1/4	4,167.35	1/4	4,555.79	1/4	4,943.06	1/4	5,326.81	1/4	5,716.33	1/4	6,095.00	1/4	6,487.41	1/4	6,876.23	1/4	7,262.13	1/4	7,652.66
1/2	4,175.45	1/2	4,563.88	1/2	4,951.11	1/2	5,334.30	1/2	5,724.33	1/2	6,103.00	1/2	6,495.46	1/2	6,884.32	1/2	7,270.22	1/2	7,660.77
3/4	4,183.54	3/4	4,571.97	3/4	4,959.17	3/4	5,340.61	3/4	5,732.33	3/4	6,111.00	3/4	6,503.51	3/4	6,892.41	3/4	7,278.31	3/4	7,668.88
10	4,191.63	10	4,580.07	10	4,967.22	10	5,346.92	10	5,740.33	10	6,119.00	10	6,511.56	10	6,900.50	10	7,286.40	10	7,677.00
1/4	4,199.72	1/4	4,588.16	1/4	4,975.27	1/4	5,353.24	1/4	5,748.33	1/4	6,127.00	1/4	6,519.61	1/4	6,908.59	1/4	7,294.49	1/4	7,685.11
1/2	4,207.81	1/2	4,596.25	1/2	4,983.33	1/2	5,359.55	1/2	5,756.33	1/2	6,135.00	1/2	6,527.66	1/2	6,916.68	1/2	7,302.58	1/2	7,693.22
3/4	4,215.91	3/4	4,604.34	3/4	4,991.38	3/4	5,364.51	3/4	5,764.33	3/4	6,143.00	3/4	6,535.71	3/4	6,924.77	3/4	7,310.67	3/4	7,701.33
11	4,224.00	11	4,612.43	11	4,999.43	11	5,369.47	11	5,772.33	11	6,151.00	11	6,543.76	11	6,932.86	11	7,318.76	11	7,709.44
1/4	4,232.09	1/4	4,620.53	1/4	5,007.49	1/4	5,374.43	1/4	5,780.33	1/4	6,159.00	1/4	6,551.81	1/4	6,940.95	1/4	7,326.85	1/4	7,717.55
1/2	4,240.18	1/2	4,628.62	1/2	5,015.54	1/2	5,379.39	1/2	5,788.33	1/2	6,167.00	1/2	6,559.86	1/2	6,949.04	1/2	7,334.94	1/2	7,725.66
3/4	4,248.28	3/4	4,636.71	3/4	5,023.60	3/4	5,387.38	3/4	5,796.33	3/4	6,175.00	3/4	6,567.91	3/4	6,957.13	3/4	7,343.03	3/4	7,733.77

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BARGE "EMS 3056"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	29.01	0	389.45	0	774.46	0	1,154.03	0	1,531.20	0	1,919.42	0	2,307.64	0	2,695.85	0	3,083.82	0	3,471.79
1/4	33.23	1/4	397.37	1/4	782.55	1/4	1,161.71	1/4	1,539.29	1/4	1,927.51	1/4	2,315.73	1/4	2,703.94	1/4	3,091.90	1/4	3,479.87
1/2	37.44	1/2	405.29	1/2	790.63	1/2	1,169.38	1/2	1,547.38	1/2	1,935.60	1/2	2,323.82	1/2	2,712.02	1/2	3,099.99	1/2	3,487.95
3/4	43.00	3/4	413.21	3/4	798.72	3/4	1,177.06	3/4	1,555.46	3/4	1,943.68	3/4	2,331.90	3/4	2,720.10	3/4	3,108.07	3/4	3,496.03
1	48.56	1	421.13	1	806.80	1	1,184.73	1	1,563.55	1	1,951.77	1	2,339.99	1	2,728.19	1	3,116.15	1	3,504.12
1/4	54.12	1/4	429.05	1/4	814.89	1/4	1,192.41	1/4	1,571.64	1/4	1,959.86	1/4	2,348.08	1/4	2,736.27	1/4	3,124.23	1/4	3,512.20
1/2	59.69	1/2	436.97	1/2	822.97	1/2	1,200.08	1/2	1,579.73	1/2	1,967.95	1/2	2,356.17	1/2	2,744.35	1/2	3,132.32	1/2	3,520.28
3/4	66.59	3/4	444.89	3/4	831.06	3/4	1,207.76	3/4	1,587.82	3/4	1,976.04	3/4	2,364.25	3/4	2,752.44	3/4	3,140.40	3/4	3,528.36
2	73.50	2	452.81	2	839.15	2	1,215.44	2	1,595.90	2	1,984.12	2	2,372.34	2	2,760.52	2	3,148.48	2	3,536.45
1/4	80.41	1/4	460.73	1/4	847.23	1/4	1,223.11	1/4	1,603.99	1/4	1,992.21	1/4	2,380.43	1/4	2,768.60	1/4	3,156.57	1/4	3,544.53
1/2	87.32	1/2	468.65	1/2	855.32	1/2	1,230.79	1/2	1,612.08	1/2	2,000.30	1/2	2,388.52	1/2	2,776.68	1/2	3,164.65	1/2	3,552.61
3/4	95.07	3/4	476.57	3/4	863.40	3/4	1,238.46	3/4	1,620.17	3/4	2,008.39	3/4	2,396.61	3/4	2,784.77	3/4	3,172.73	3/4	3,560.70
3	102.82	3	484.50	3	871.49	3	1,246.14	3	1,628.26	3	2,016.48	3	2,404.69	3	2,792.85	3	3,180.81	3	3,568.78
1/4	110.58	1/4	492.42	1/4	879.57	1/4	1,253.81	1/4	1,636.34	1/4	2,024.56	1/4	2,412.78	1/4	2,800.93	1/4	3,188.90	1/4	3,576.86
1/2	118.33	1/2	500.35	1/2	887.66	1/2	1,261.49	1/2	1,644.43	1/2	2,032.62	1/2	2,420.87	1/2	2,809.01	1/2	3,196.98	1/2	3,584.94
3/4	126.25	3/4	508.27	3/4	895.75	3/4	1,269.17	3/4	1,652.52	3/4	2,040.74	3/4	2,428.96	3/4	2,817.10	3/4	3,205.06	3/4	3,593.03
4	134.17	4	516.20	4	903.83	4	1,276.84	4	1,660.61	4	2,048.83	4	2,437.05	4	2,825.18	4	3,213.14	4	3,601.11
1/4	142.09	1/4	524.13	1/4	911.92	1/4	1,284.52	1/4	1,668.70	1/4	2,056.91	1/4	2,445.13	1/4	2,833.26	1/4	3,221.23	1/4	3,609.19
1/2	150.01	1/2	532.05	1/2	920.00	1/2	1,292.20	1/2	1,676.78	1/2	2,065.00	1/2	2,453.22	1/2	2,841.31	1/2	3,229.31	1/2	3,617.27
3/4	157.93	3/4	540.10	3/4	928.09	3/4	1,299.88	3/4	1,684.87	3/4	2,073.09	3/4	2,461.31	3/4	2,849.43	3/4	3,237.39	3/4	3,625.36
5	165.85	5	548.14	5	936.17	5	1,307.56	5	1,692.96	5	2,081.18	5	2,469.40	5	2,857.51	5	3,245.47	5	3,633.44
1/4	173.77	1/4	556.19	1/4	944.26	1/4	1,315.23	1/4	1,701.05	1/4	2,089.27	1/4	2,477.49	1/4	2,865.59	1/4	3,253.56	1/4	3,641.52
1/2	181.69	1/2	564.24	1/2	952.34	1/2	1,322.91	1/2	1,709.13	1/2	2,097.35	1/2	2,485.57	1/2	2,873.67	1/2	3,261.64	1/2	3,649.60
3/4	189.72	3/4	572.32	3/4	960.43	3/4	1,330.60	3/4	1,717.22	3/4	2,105.44	3/4	2,493.66	3/4	2,881.76	3/4	3,269.72	3/4	3,657.69
6	197.76	6	580.41	6	968.52	6	1,338.29	6	1,725.31	6	2,113.53	6	2,501.75	6	2,889.84	6	3,277.80	6	3,665.77
1/4	205.79	1/4	588.49	1/4	976.60	1/4	1,345.98	1/4	1,733.40	1/4	2,121.62	1/4	2,509.84	1/4	2,897.92	1/4	3,285.89	1/4	3,673.85
1/2	213.83	1/2	596.58	1/2	984.69	1/2	1,353.66	1/2	1,741.49	1/2	2,129.71	1/2	2,517.92	1/2	2,906.00	1/2	3,293.97	1/2	3,681.93
3/4	221.90	3/4	604.66	3/4	992.74	3/4	1,361.65	3/4	1,749.57	3/4	2,137.79	3/4	2,526.01	3/4	2,914.09	3/4	3,302.05	3/4	3,690.02
7	229.98	7	612.75	7	1,000.26	7	1,369.64	7	1,757.66	7	2,145.88	7	2,534.10	7	2,922.17	7	3,310.13	7	3,698.10
1/4	238.05	1/4	620.83	1/4	1,008.05	1/4	1,377.63	1/4	1,765.75	1/4	2,153.97	1/4	2,542.19	1/4	2,930.25	1/4	3,318.22	1/4	3,706.18
1/2	246.12	1/2	628.92	1/2	1,015.84	1/2	1,385.62	1/2	1,773.84	1/2	2,162.06	1/2	2,550.28	1/2	2,938.33	1/2	3,326.30	1/2	3,714.26
3/4	254.19	3/4	637.01	3/4	1,023.52	3/4	1,393.71	3/4	1,781.93	3/4	2,170.15	3/4	2,558.36	3/4	2,946.42	3/4	3,334.38	3/4	3,722.35
8	262.27	8	645.09	8	1,031.20	8	1,401.79	8	1,790.01	8	2,178.23	8	2,566.45	8	2,954.50	8	3,342.46	8	3,730.43
1/4	270.34	1/4	653.18	1/4	1,038.88	1/4	1,409.88	1/4	1,798.10	1/4	2,186.32	1/4	2,574.54	1/4	2,962.58	1/4	3,350.55	1/4	3,738.51
1/2	278.41	1/2	661.26	1/2	1,046.56	1/2	1,417.97	1/2	1,806.19	1/2	2,194.41	1/2	2,582.63	1/2	2,970.67	1/2	3,358.63	1/2	3,746.59
3/4	286.37	3/4	669.35	3/4	1,054.24	3/4	1,426.06	3/4	1,814.28	3/4	2,202.50	3/4	2,590.72	3/4	2,978.75	3/4	3,366.71	3/4	3,754.68
9	294.33	9	677.43	9	1,061.92	9	1,434.15	9	1,822.37	9	2,210.58	9	2,598.80	9	2,986.83	9	3,374.80	9	3,762.76
1/4	302.29	1/4	685.52	1/4	1,069.60	1/4	1,442.23	1/4	1,830.45	1/4	2,218.67	1/4	2,606.89	1/4	2,994.91	1/4	3,382.88	1/4	3,770.84
1/2	310.25	1/2	693.61	1/2	1,077.27	1/2	1,450.32	1/2	1,838.54	1/2	2,226.76	1/2	2,614.98	1/2	3,003.00	1/2	3,390.96	1/2	3,778.93
3/4	318.17	3/4	701.69	3/4	1,084.95	3/4	1,458.41	3/4	1,846.63	3/4	2,234.85	3/4	2,623.07	3/4	3,011.08	3/4	3,399.04	3/4	3,787.01
10	326.09	10	709.78	10	1,092.63	10	1,466.50	10	1,854.72	10	2,242.94	10	2,631.16	10	3,019.16	10	3,407.13	10	3,795.09
1/4	334.01	1/4	717.86	1/4	1,100.30	1/4	1,474.59	1/4	1,862.80	1/4	2,251.02	1/4	2,639.24	1/4	3,027.24	1/4	3,415.21	1/4	3,803.17
1/2	341.93	1/2	725.95	1/2	1,107.98	1/2	1,482.67	1/2	1,870.89	1/2	2,259.11	1/2	2,647.33	1/2	3,035.33	1/2	3,423.29	1/2	3,811.26
3/4	349.85	3/4	734.03	3/4	1,115.65	3/4	1,490.76	3/4	1,878.98	3/4	2,267.20	3/4	2,655.42	3/4	3,043.41	3/4	3,431.37	3/4	3,819.34
11	357.77	11	742.12	11	1,123.33	11	1,498.85	11	1,887.07	11	2,275.29	11	2,663.51	11	3,051.49	11	3,439.46	11	3,827.42
1/4	365.69	1/4	750.20	1/4	1,131.01	1/4	1,506.94	1/4	1,895.16	1/4	2,283.38	1/4	2,671.59	1/4	3,059.57	1/4	3,447.54	1/4	3,835.50
1/2	373.61	1/2	758.29	1/2	1,138.68	1/2	1,515.03	1/2	1,903.24	1/2	2,291.46	1/2	2,679.68	1/2	3,067.66	1/2	3,455.62	1/2	3,843.59
3/4	381.53	3/4	766.38	3/4	1,146.56	3/4	1,523.11	3/4	1,911.33	3/4	2,299.55	3/4	2,687.77	3/4	3,075.74	3/4	3,463.70	3/4	3,851.67

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 48'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3056"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,859.75	0	4,247.72	0	4,635.68	0	5,022.06	0	5,407.84	0	5,793.62	0	6,179.40	0	6,565.18	0	6,950.96	0	7,336.74
1/4	3,867.83	1/4	4,255.80	1/4	4,643.76	1/4	5,030.11	1/4	5,415.89	1/4	5,801.67	1/4	6,187.45	1/4	6,573.23	1/4	6,959.01	1/4	7,344.79
1/2	3,875.92	1/2	4,263.88	1/2	4,651.85	1/2	5,038.15	1/2	5,424.03	1/2	5,809.81	1/2	6,195.59	1/2	6,581.37	1/2	6,967.15	1/2	7,352.91
3/4	3,884.00	3/4	4,271.96	3/4	4,659.93	3/4	5,046.19	3/4	5,432.21	3/4	5,817.99	3/4	6,201.87	3/4	6,587.65	3/4	6,972.83	3/4	7,360.99
1	3,892.08	1	4,280.05	1	4,668.01	1	5,054.24	1	5,440.28	1	5,825.52	1	6,207.95	1	6,595.93	1	6,978.91	1	7,369.07
1/4	3,900.16	1/4	4,288.13	1/4	4,676.09	1/4	5,062.28	1/4	5,448.36	1/4	5,833.64	1/4	6,216.03	1/4	6,604.01	1/4	6,986.99	1/4	7,377.15
1/2	3,908.25	1/2	4,296.21	1/2	4,684.18	1/2	5,070.33	1/2	5,456.44	1/2	5,841.72	1/2	6,224.11	1/2	6,612.09	1/2	6,995.07	1/2	7,385.23
3/4	3,916.33	3/4	4,304.29	3/4	4,692.23	3/4	5,078.37	3/4	5,464.52	3/4	5,849.80	3/4	6,232.19	3/4	6,620.17	3/4	7,003.15	3/4	7,393.31
2	3,924.41	2	4,312.38	2	4,700.28	2	5,086.41	2	5,472.60	2	5,857.88	2	6,240.27	2	6,628.25	2	7,011.23	2	7,401.39
1/4	3,932.49	1/4	4,320.46	1/4	4,708.33	1/4	5,094.46	1/4	5,480.68	1/4	5,865.96	1/4	6,248.35	1/4	6,636.33	1/4	7,019.31	1/4	7,409.47
1/2	3,940.58	1/2	4,328.54	1/2	4,716.39	1/2	5,102.50	1/2	5,488.76	1/2	5,874.04	1/2	6,256.43	1/2	6,644.41	1/2	7,027.39	1/2	7,417.55
3/4	3,948.66	3/4	4,336.62	3/4	4,724.43	3/4	5,110.55	3/4	5,496.84	3/4	5,882.12	3/4	6,264.51	3/4	6,652.49	3/4	7,035.47	3/4	7,425.63
3	3,956.74	3	4,344.71	3	4,732.47	3	5,118.59	3	5,504.92	3	5,890.20	3	6,272.59	3	6,660.57	3	7,043.55	3	7,433.71
1/4	3,964.83	1/4	4,352.79	1/4	4,740.52	1/4	5,126.63	1/4	5,513.00	1/4	5,901.28	1/4	6,280.67	1/4	6,668.65	1/4	7,051.63	1/4	7,441.79
1/2	3,972.91	1/2	4,360.87	1/2	4,748.56	1/2	5,134.68	1/2	5,521.08	1/2	5,911.36	1/2	6,288.75	1/2	6,676.73	1/2	7,059.71	1/2	7,449.87
3/4	3,980.99	3/4	4,368.96	3/4	4,756.61	3/4	5,142.68	3/4	5,530.16	3/4	5,921.44	3/4	6,296.83	3/4	6,684.81	3/4	7,067.79	3/4	7,457.95
4	3,989.07	4	4,377.04	4	4,764.65	4	5,150.67	4	5,538.24	4	5,931.52	4	6,304.91	4	6,692.89	4	7,075.87	4	7,466.03
1/4	3,997.16	1/4	4,385.12	1/4	4,772.69	1/4	5,158.67	1/4	5,546.24	1/4	5,941.60	1/4	6,313.00	1/4	6,700.97	1/4	7,083.95	1/4	7,474.11
1/2	4,005.24	1/2	4,393.20	1/2	4,780.74	1/2	5,166.67	1/2	5,554.24	1/2	5,951.68	1/2	6,321.08	1/2	6,709.05	1/2	7,092.03	1/2	7,482.19
3/4	4,013.32	3/4	4,401.29	3/4	4,788.78	3/4	5,174.65	3/4	5,562.32	3/4	5,959.72	3/4	6,329.17	3/4	6,717.13	3/4	7,099.11	3/4	7,490.27
5	4,021.40	5	4,409.37	5	4,796.83	5	5,182.64	5	5,570.45	5	5,967.76	5	6,337.25	5	6,725.31	5	7,107.19	5	7,498.35
1/4	4,029.49	1/4	4,417.45	1/4	4,804.87	1/4	5,190.62	1/4	5,578.49	1/4	5,975.80	1/4	6,345.34	1/4	6,733.39	1/4	7,115.27	1/4	7,506.43
1/2	4,037.57	1/2	4,425.53	1/2	4,812.91	1/2	5,198.60	1/2	5,586.52	1/2	5,983.84	1/2	6,353.42	1/2	6,741.47	1/2	7,123.35	1/2	7,514.51
3/4	4,045.65	3/4	4,433.62	3/4	4,820.96	3/4	5,206.58	3/4	5,594.56	3/4	5,991.92	3/4	6,361.50	3/4	6,749.51	3/4	7,131.43	3/4	7,522.59
6	4,053.73	6	4,441.70	6	4,829.00	6	5,214.57	6	5,602.64	6	5,999.96	6	6,369.58	6	6,757.59	6	7,139.51	6	7,530.67
1/4	4,061.82	1/4	4,449.78	1/4	4,837.05	1/4	5,222.55	1/4	5,610.72	1/4	6,007.04	1/4	6,377.66	1/4	6,765.63	1/4	7,147.59	1/4	7,538.75
1/2	4,069.90	1/2	4,457.86	1/2	4,845.09	1/2	5,230.53	1/2	5,618.80	1/2	6,015.12	1/2	6,385.74	1/2	6,773.71	1/2	7,155.67	1/2	7,546.83
3/4	4,077.98	3/4	4,465.95	3/4	4,853.13	3/4	5,238.51	3/4	5,626.84	3/4	6,023.20	3/4	6,393.82	3/4	6,781.79	3/4	7,163.75	3/4	7,554.91
7	4,086.06	7	4,474.03	7	4,861.18	7	5,246.50	7	5,634.92	7	6,031.28	7	6,401.90	7	6,789.83	7	7,171.83	7	7,563.00
1/4	4,094.15	1/4	4,482.11	1/4	4,869.22	1/4	5,254.48	1/4	5,643.04	1/4	6,039.36	1/4	6,410.02	1/4	6,797.91	1/4	7,179.91	1/4	7,571.08
1/2	4,102.23	1/2	4,490.19	1/2	4,877.27	1/2	5,262.46	1/2	5,651.16	1/2	6,047.44	1/2	6,418.10	1/2	6,805.99	1/2	7,188.00	1/2	7,579.16
3/4	4,110.31	3/4	4,498.28	3/4	4,885.31	3/4	5,270.45	3/4	5,659.24	3/4	6,055.52	3/4	6,426.18	3/4	6,814.07	3/4	7,196.09	3/4	7,587.24
8	4,118.39	8	4,506.36	8	4,893.36	8	5,278.44	8	5,667.32	8	6,063.60	8	6,434.26	8	6,822.15	8	7,204.17	8	7,595.32
1/4	4,126.48	1/4	4,514.44	1/4	4,901.40	1/4	5,286.42	1/4	5,675.40	1/4	6,071.68	1/4	6,442.34	1/4	6,830.23	1/4	7,212.25	1/4	7,603.40
1/2	4,134.56	1/2	4,522.52	1/2	4,909.44	1/2	5,294.41	1/2	5,683.48	1/2	6,079.76	1/2	6,450.42	1/2	6,838.31	1/2	7,220.33	1/2	7,611.48
3/4	4,142.64	3/4	4,530.61	3/4	4,917.49	3/4	5,301.89	3/4	5,691.56	3/4	6,087.84	3/4	6,458.50	3/4	6,846.39	3/4	7,228.41	3/4	7,619.56
9	4,150.72	9	4,538.69	9	4,925.53	9	5,309.37	9	5,703.64	9	6,095.92	9	6,466.58	9	6,854.47	9	7,236.49	9	7,627.64
1/4	4,158.81	1/4	4,546.77	1/4	4,933.58	1/4	5,316.86	1/4	5,711.72	1/4	6,104.00	1/4	6,474.66	1/4	6,862.56	1/4	7,244.57	1/4	7,635.72
1/2	4,166.89	1/2	4,554.85	1/2	4,941.62	1/2	5,324.34	1/2	5,719.79	1/2	6,112.08	1/2	6,482.74	1/2	6,870.65	1/2	7,252.65	1/2	7,643.80
3/4	4,174.97	3/4	4,562.94	3/4	4,949.66	3/4	5,330.64	3/4	5,727.87	3/4	6,120.16	3/4	6,490.82	3/4	6,878.73	3/4	7,260.73	3/4	7,651.88
10	4,183.06	10	4,571.02	10	4,957.71	10	5,336.95	10	5,735.94	10	6,128.24	10	6,498.90	10	6,886.81	10	7,268.81	10	7,659.96
1/4	4,191.14	1/4	4,579.10	1/4	4,965.75	1/4	5,343.25	1/4	5,744.01	1/4	6,136.32	1/4	6,507.06	1/4	6,894.91	1/4	7,276.89	1/4	7,668.04
1/2	4,199.22	1/2	4,587.19	1/2	4,973.80	1/2	5,349.55	1/2	5,752.12	1/2	6,144.40	1/2	6,515.12	1/2	6,902.99	1/2	7,284.97	1/2	7,676.12
3/4	4,207.30	3/4	4,595.27	3/4	4,981.84	3/4	5,354.51	3/4	5,760.24	3/4	6,151.48	3/4	6,523.24	3/4	6,911.07	3/4	7,293.05	3/4	7,684.20
11	4,215.39	11	4,603.35	11	4,989.88	11	5,359.46	11	5,769.31	11	6,159.56	11	6,531.36	11	6,919.35	11	7,301.13	11	7,692.28
1/4	4,223.47	1/4	4,611.43	1/4	4,997.93	1/4	5,364.42	1/4	5,777.38	1/4	6,167.64	1/4	6,539.44	1/4	6,927.43	1/4	7,309.21	1/4	7,700.36
1/2	4,231.55	1/2	4,619.52	1/2	5,005.97	1/2	5,369.37	1/2	5,785.46	1/2	6,175.76	1/2	6,547.52	1/2	6,935.51	1/2	7,317.29	1/2	7,708.44
3/4	4,239.63	3/4	4,627.60	3/4	5,014.02	3/4	5,374.44	3/4	5,793.54	3/4	6,183.84	3/4	6,555.60	3/4	6,943.59	3/4	7,325.37	3/4	7,716.52

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/17/2024 CI
 CALCULATED: 04/17/2024 JS
 PRINTED: 04/17/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2024

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



BARGE "EMS 3056"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	28.10	0	363.90	0	722.63	0	1,083.00	0	1,442.00	0	1,799.42	0	2,160.18	0	2,520.64	0	2,874.86	0	3,198.33
1/4	32.02	1/4	371.28	1/4	730.16	1/4	1,090.46	1/4	1,449.40	1/4	1,806.94	1/4	2,167.69	1/4	2,528.15	1/4	2,879.61	1/4	3,205.87
1/2	35.94	1/2	376.66	1/2	737.70	1/2	1,097.91	1/2	1,456.80	1/2	1,814.47	1/2	2,175.19	1/2	2,535.66	1/2	2,884.36	1/2	3,213.42
3/4	41.11	3/4	386.04	3/4	745.23	3/4	1,105.37	3/4	1,464.16	3/4	1,821.99	3/4	2,182.70	3/4	2,543.18	3/4	2,886.19	3/4	3,220.97
1	46.29	1	393.42	1	752.76	1	1,112.82	1	1,471.51	1	1,829.51	1	2,190.20	1	2,550.69	1	2,892.03	1	3,228.51
1 1/4	51.47	1 1/4	400.80	1 1/4	760.29	1 1/4	1,120.28	1 1/4	1,478.87	1 1/4	1,837.03	1 1/4	2,197.71	1 1/4	2,558.20	1 1/4	2,895.87	1 1/4	3,236.06
1 1/2	56.64	1 1/2	408.18	1 1/2	767.83	1 1/2	1,127.74	1 1/2	1,486.23	1 1/2	1,844.55	1 1/2	2,205.22	1 1/2	2,565.71	1 1/2	2,899.71	1 1/2	3,243.61
2	63.08	2	415.56	2	775.36	2	1,135.19	2	1,493.58	2	1,852.07	2	2,212.72	2	2,573.23	2	2,903.58	2	3,251.15
2 1/4	69.51	2 1/4	422.94	2 1/4	782.89	2 1/4	1,142.65	2 1/4	1,500.94	2 1/4	1,859.60	2 1/4	2,220.23	2 1/4	2,580.74	2 1/4	2,907.46	2 1/4	3,258.70
2 1/2	75.95	2 1/2	430.32	2 1/2	790.43	2 1/2	1,150.11	2 1/2	1,508.30	2 1/2	1,867.12	2 1/2	2,227.73	2 1/2	2,588.25	2 1/2	2,911.33	2 1/2	3,266.25
3	82.38	3	437.70	3	797.96	3	1,157.56	3	1,515.65	3	1,874.64	3	2,235.24	3	2,595.76	3	2,915.21	3	3,273.79
3 1/4	89.60	3 1/4	445.08	3 1/4	805.49	3 1/4	1,165.02	3 1/4	1,523.01	3 1/4	1,892.16	3 1/4	2,242.74	3 1/4	2,603.28	3 1/4	2,919.10	3 1/4	3,281.34
3 1/2	96.82	3 1/2	452.47	3 1/2	813.02	3 1/2	1,172.47	3 1/2	1,530.36	3 1/2	1,899.68	3 1/2	2,250.25	3 1/2	2,610.79	3 1/2	2,926.65	3 1/2	3,288.89
4	104.04	4	459.85	4	820.56	4	1,179.93	4	1,537.72	4	1,897.20	4	2,257.75	4	2,618.30	4	2,934.19	4	3,296.43
4 1/4	111.27	4 1/4	467.24	4 1/4	828.09	4 1/4	1,187.39	4 1/4	1,545.08	4 1/4	1,904.73	4 1/4	2,265.26	4 1/4	2,625.81	4 1/4	2,941.74	4 1/4	3,303.98
4 1/2	118.64	4 1/2	474.63	4 1/2	835.62	4 1/2	1,194.95	4 1/2	1,552.43	4 1/2	1,912.25	4 1/2	2,272.76	4 1/2	2,633.31	4 1/2	2,949.29	4 1/2	3,311.53
5	126.02	5	482.01	5	843.15	5	1,202.30	5	1,559.79	5	1,919.77	5	2,280.27	5	2,640.80	5	2,956.83	5	3,319.07
5 1/4	133.40	5 1/4	489.40	5 1/4	850.69	5 1/4	1,209.76	5 1/4	1,567.14	5 1/4	1,927.29	5 1/4	2,287.77	5 1/4	2,648.29	5 1/4	2,964.38	5 1/4	3,326.62
5 1/2	140.78	5 1/2	496.79	5 1/2	858.22	5 1/2	1,217.22	5 1/2	1,574.50	5 1/2	1,934.81	5 1/2	2,295.28	5 1/2	2,655.78	5 1/2	2,971.93	5 1/2	3,334.17
6	148.16	6	504.28	6	865.75	6	1,224.68	6	1,581.86	6	1,942.34	6	2,302.78	6	2,663.27	6	2,979.47	6	3,341.71
6 1/4	155.54	6 1/4	511.78	6 1/4	873.29	6 1/4	1,232.14	6 1/4	1,589.21	6 1/4	1,949.87	6 1/4	2,310.29	6 1/4	2,670.75	6 1/4	2,987.02	6 1/4	3,349.26
6 1/2	162.92	6 1/2	519.28	6 1/2	880.82	6 1/2	1,239.60	6 1/2	1,596.57	6 1/2	1,957.40	6 1/2	2,317.79	6 1/2	2,678.24	6 1/2	2,994.57	6 1/2	3,356.81
7	170.30	7	526.78	7	888.35	7	1,247.06	7	1,603.92	7	1,964.92	7	2,325.30	7	2,685.72	7	3,002.11	7	3,364.35
7 1/4	177.79	7 1/4	534.31	7 1/4	895.88	7 1/4	1,254.53	7 1/4	1,611.41	7 1/4	1,972.45	7 1/4	2,332.80	7 1/4	2,693.21	7 1/4	3,009.66	7 1/4	3,371.90
7 1/2	185.27	7 1/2	541.84	7 1/2	903.42	7 1/2	1,261.99	7 1/2	1,618.90	7 1/2	1,979.98	7 1/2	2,340.31	7 1/2	2,700.69	7 1/2	3,017.21	7 1/2	3,379.45
8	192.76	8	549.38	8	910.95	8	1,269.46	8	1,626.38	8	1,987.51	8	2,347.81	8	2,708.18	8	3,024.75	8	3,386.99
8 1/4	200.25	8 1/4	556.91	8 1/4	918.48	8 1/4	1,276.93	8 1/4	1,633.87	8 1/4	1,995.04	8 1/4	2,355.32	8 1/4	2,715.66	8 1/4	3,032.30	8 1/4	3,394.54
8 1/2	207.77	8 1/2	564.44	8 1/2	926.00	8 1/2	1,284.42	8 1/2	1,641.40	8 1/2	2,002.56	8 1/2	2,362.83	8 1/2	2,723.15	8 1/2	3,039.85	8 1/2	3,402.09
9	215.29	9	571.98	9	933.51	9	1,291.91	9	1,648.93	9	2,010.07	9	2,370.35	9	2,730.63	9	3,047.39	9	3,409.63
9 1/4	222.82	9 1/4	579.51	9 1/4	941.03	9 1/4	1,299.40	9 1/4	1,656.46	9 1/4	2,017.58	9 1/4	2,377.86	9 1/4	2,738.11	9 1/4	3,054.94	9 1/4	3,417.18
9 1/2	230.34	9 1/2	587.04	9 1/2	948.55	9 1/2	1,306.88	9 1/2	1,663.99	9 1/2	2,025.09	9 1/2	2,385.37	9 1/2	2,745.60	9 1/2	3,062.49	9 1/2	3,424.73
10	237.86	10	594.58	10	956.05	10	1,314.38	10	1,671.52	10	2,032.60	10	2,392.89	10	2,753.08	10	3,070.03	10	3,432.27
10 1/4	245.39	10 1/4	602.11	10 1/4	963.55	10 1/4	1,321.87	10 1/4	1,679.05	10 1/4	2,040.10	10 1/4	2,400.40	10 1/4	2,760.57	10 1/4	3,077.58	10 1/4	3,439.82
10 1/2	252.91	10 1/2	609.64	10 1/2	971.05	10 1/2	1,329.37	10 1/2	1,686.58	10 1/2	2,047.61	10 1/2	2,407.92	10 1/2	2,768.05	10 1/2	3,085.13	10 1/2	3,447.37
11	260.43	11	617.17	11	978.56	11	1,336.86	11	1,694.11	11	2,055.11	11	2,415.43	11	2,775.54	11	3,092.67	11	3,454.91
11 1/4	267.85	11 1/4	624.71	11 1/4	986.03	11 1/4	1,344.38	11 1/4	1,701.63	11 1/4	2,062.62	11 1/4	2,422.95	11 1/4	2,783.02	11 1/4	3,100.22	11 1/4	3,462.46
11 1/2	275.26	11 1/2	632.24	11 1/2	993.50	11 1/2	1,351.90	11 1/2	1,709.16	11 1/2	2,070.12	11 1/2	2,430.46	11 1/2	2,790.51	11 1/2	3,107.77	11 1/2	3,466.35
12	282.68	12	639.77	12	1,000.97	12	1,359.43	12	1,716.68	12	2,077.63	12	2,437.98	12	2,797.99	12	3,115.31	12	3,470.24
12 1/4	290.09	12 1/4	647.30	12 1/4	1,008.43	12 1/4	1,366.95	12 1/4	1,724.20	12 1/4	2,085.15	12 1/4	2,445.49	12 1/4	2,805.48	12 1/4	3,122.86	12 1/4	3,474.13
12 1/2	297.48	12 1/2	654.84	12 1/2	1,015.89	12 1/2	1,374.48	12 1/2	1,731.73	12 1/2	2,092.64	12 1/2	2,453.01	12 1/2	2,812.96	12 1/2	3,130.41	12 1/2	3,478.01
13	304.86	13	662.37	13	1,023.35	13	1,382.01	13	1,739.25	13	2,100.14	13	2,460.52	13	2,820.45	13	3,137.95	13	3,481.90
13 1/4	312.24	13 1/4	669.90	13 1/4	1,030.81	13 1/4	1,389.54	13 1/4	1,746.77	13 1/4	2,107.65	13 1/4	2,468.04	13 1/4	2,827.93	13 1/4	3,145.50	13 1/4	3,485.79
13 1/2	319.62	13 1/2	677.43	13 1/2	1,038.26	13 1/2	1,397.08	13 1/2	1,754.29	13 1/2	2,115.15	13 1/2	2,475.55	13 1/2	2,835.42	13 1/2	3,153.05	13 1/2	3,489.68
14	327.00	14	684.97	14	1,045.72	14	1,404.61	14	1,761.81	14	2,122.66	14	2,483.07	14	2,842.90	14	3,160.59	14	3,493.57
14 1/4	334.38	14 1/4	692.50	14 1/4	1,053.18	14 1/4	1,412.14	14 1/4	1,769.34	14 1/4	2,130.16	14 1/4	2,490.58	14 1/4	2,850.39	14 1/4	3,168.14	14 1/4	3,497.45
14 1/2	341.76	14 1/2	700.03	14 1/2	1,060.63	14 1/2	1,419.67	14 1/2	1,776.86	14 1/2	2,137.67	14 1/2	2,498.10	14 1/2	2,857.87	14 1/2	3,175.69	14 1/2	3,501.34
15	349.14	15	707.57	15	1,068.09	15	1,427.20	15	1,784.38	15	2,145.17	15	2,505.61	15	2,865.36	15	3,183.23	15	3,505.23
15 1/4	356.52	15 1/4	715.10	15 1/4	1,075.54	15 1/4	1,434.60	15 1/4	1,791.90	15 1/4	2,152.68	15 1/4	2,513.12	15 1/4	2,870.11	15 1/4	3,190.78	15 1/4	3,509.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 56'-03" FORWARD OF AFT BULK HEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2



BARGE "EMS 3056"

3 PORT INNAGE TABLE

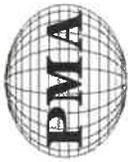
CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,513.01	0	3,699.64	0	3,886.27	0	4,072.20	0	4,258.13	0	4,444.06	0	4,629.99	0	4,815.92	0	4,999.95	0	5,185.88
1/4	3,516.90	1/4	3,703.53	1/4	3,890.16	1/4	4,076.07	1/4	4,261.98	1/4	4,447.89	1/4	4,633.80	1/4	4,819.71	1/4	5,005.62	1/4	5,191.53
1/2	3,520.78	1/2	3,707.42	1/2	3,894.05	1/2	4,079.94	1/2	4,265.86	1/2	4,451.77	1/2	4,637.68	1/2	4,823.49	1/2	5,009.30	1/2	5,195.11
3/4	3,524.67	3/4	3,711.31	3/4	3,897.94	3/4	4,083.81	3/4	4,271.71	3/4	4,455.62	3/4	4,641.43	3/4	4,827.24	3/4	5,013.05	3/4	5,200.86
1	3,528.56	1	3,715.19	1	3,901.83	1	4,087.68	1	4,275.56	1	4,459.43	1	4,645.24	1	4,831.05	1	5,016.86	1	5,204.67
1/4	3,532.45	1/4	3,719.08	1/4	3,905.72	1/4	4,091.55	1/4	4,279.45	1/4	4,463.32	1/4	4,649.13	1/4	4,834.86	1/4	5,020.69	1/4	5,208.48
1/2	3,536.34	1/2	3,722.97	1/2	3,909.60	1/2	4,095.42	1/2	4,283.34	1/2	4,467.20	1/2	4,653.02	1/2	4,838.69	1/2	5,024.50	1/2	5,212.29
3/4	3,540.23	3/4	3,726.86	3/4	3,913.48	3/4	4,099.29	3/4	4,287.23	3/4	4,471.07	3/4	4,656.91	3/4	4,842.52	3/4	5,028.31	3/4	5,216.10
2	3,544.11	2	3,730.75	2	3,917.36	2	4,103.16	2	4,291.10	2	4,474.94	2	4,660.78	2	4,846.35	2	5,032.12	2	5,219.91
1/4	3,548.00	1/4	3,734.64	1/4	3,921.24	1/4	4,107.03	1/4	4,295.03	1/4	4,478.81	1/4	4,664.66	1/4	4,850.18	1/4	5,035.93	1/4	5,223.72
1/2	3,551.89	1/2	3,738.52	1/2	3,925.11	1/2	4,110.90	1/2	4,298.92	1/2	4,482.68	1/2	4,668.54	1/2	4,854.01	1/2	5,039.74	1/2	5,227.53
3/4	3,555.78	3/4	3,742.41	3/4	3,928.98	3/4	4,114.77	3/4	4,302.83	3/4	4,486.55	3/4	4,672.42	3/4	4,857.86	3/4	5,043.55	3/4	5,231.34
3	3,559.67	3	3,746.30	3	3,932.85	3	4,118.64	3	4,306.72	3	4,490.42	3	4,676.30	3	4,861.67	3	5,047.36	3	5,235.15
1/4	3,563.55	1/4	3,750.19	1/4	3,936.73	1/4	4,122.51	1/4	4,310.59	1/4	4,494.29	1/4	4,680.18	1/4	4,865.48	1/4	5,051.17	1/4	5,238.96
1/2	3,567.44	1/2	3,754.08	1/2	3,940.60	1/2	4,126.38	1/2	4,314.46	1/2	4,498.16	1/2	4,684.06	1/2	4,869.29	1/2	5,054.98	1/2	5,242.77
3/4	3,571.33	3/4	3,757.96	3/4	3,944.47	3/4	4,130.23	3/4	4,318.33	3/4	4,502.03	3/4	4,687.94	3/4	4,873.10	3/4	5,058.79	3/4	5,246.58
4	3,575.22	4	3,761.85	4	3,948.34	4	4,134.08	4	4,322.20	4	4,505.90	4	4,691.82	4	4,876.91	4	5,062.60	4	5,250.39
1/4	3,579.11	1/4	3,765.74	1/4	3,952.21	1/4	4,137.93	1/4	4,326.07	1/4	4,509.77	1/4	4,695.70	1/4	4,880.72	1/4	5,066.41	1/4	5,254.20
1/2	3,583.00	1/2	3,769.63	1/2	3,956.08	1/2	4,141.77	1/2	4,330.94	1/2	4,513.64	1/2	4,700.58	1/2	4,884.53	1/2	5,070.22	1/2	5,258.01
3/4	3,586.88	3/4	3,773.52	3/4	3,959.95	3/4	4,145.62	3/4	4,334.81	3/4	4,517.51	3/4	4,704.46	3/4	4,888.34	3/4	5,074.03	3/4	5,261.82
5	3,590.77	5	3,777.41	5	3,963.82	5	4,149.46	5	4,338.68	5	4,521.38	5	4,708.34	5	4,892.15	5	5,077.84	5	5,265.63
1/4	3,594.66	1/4	3,781.29	1/4	3,967.69	1/4	4,153.30	1/4	4,342.55	1/4	4,525.25	1/4	4,712.21	1/4	4,895.96	1/4	5,081.65	1/4	5,269.44
1/2	3,598.55	1/2	3,785.18	1/2	3,971.56	1/2	4,157.14	1/2	4,346.42	1/2	4,529.12	1/2	4,716.08	1/2	4,899.77	1/2	5,085.46	1/2	5,273.25
3/4	3,602.44	3/4	3,789.07	3/4	3,975.43	3/4	4,160.98	3/4	4,350.29	3/4	4,532.99	3/4	4,719.95	3/4	4,903.58	3/4	5,089.27	3/4	5,277.06
6	3,606.32	6	3,792.96	6	3,979.30	6	4,164.82	6	4,354.16	6	4,536.86	6	4,723.82	6	4,907.39	6	5,093.08	6	5,280.87
1/4	3,610.21	1/4	3,796.85	1/4	3,983.17	1/4	4,168.66	1/4	4,358.03	1/4	4,540.73	1/4	4,727.69	1/4	4,911.20	1/4	5,096.89	1/4	5,284.68
1/2	3,614.10	1/2	3,800.73	1/2	3,987.04	1/2	4,172.50	1/2	4,361.90	1/2	4,544.60	1/2	4,731.56	1/2	4,915.01	1/2	5,100.70	1/2	5,288.49
3/4	3,617.99	3/4	3,804.62	3/4	3,990.91	3/4	4,176.34	3/4	4,365.77	3/4	4,548.47	3/4	4,735.43	3/4	4,918.82	3/4	5,104.51	3/4	5,292.30
7	3,621.88	7	3,808.51	7	3,994.78	7	4,180.18	7	4,369.64	7	4,552.34	7	4,739.30	7	4,922.63	7	5,108.32	7	5,296.11
1/4	3,625.77	1/4	3,812.40	1/4	3,998.66	1/4	4,184.03	1/4	4,373.51	1/4	4,556.21	1/4	4,743.17	1/4	4,926.44	1/4	5,112.13	1/4	5,300.92
1/2	3,629.65	1/2	3,816.29	1/2	4,002.53	1/2	4,187.87	1/2	4,377.38	1/2	4,560.08	1/2	4,747.04	1/2	4,930.25	1/2	5,115.94	1/2	5,304.73
3/4	3,633.54	3/4	3,820.18	3/4	4,006.40	3/4	4,191.71	3/4	4,381.25	3/4	4,563.95	3/4	4,750.91	3/4	4,934.06	3/4	5,119.75	3/4	5,308.54
8	3,637.43	8	3,824.06	8	4,010.27	8	4,195.55	8	4,385.12	8	4,567.82	8	4,754.78	8	4,937.87	8	5,123.56	8	5,312.35
1/4	3,641.32	1/4	3,827.95	1/4	4,014.14	1/4	4,199.39	1/4	4,389.99	1/4	4,571.69	1/4	4,758.65	1/4	4,941.68	1/4	5,127.37	1/4	5,316.16
1/2	3,645.21	1/2	3,831.84	1/2	4,018.01	1/2	4,203.24	1/2	4,393.86	1/2	4,575.56	1/2	4,762.51	1/2	4,945.49	1/2	5,131.18	1/2	5,319.97
3/4	3,649.09	3/4	3,835.73	3/4	4,021.88	3/4	4,206.61	3/4	4,397.73	3/4	4,579.43	3/4	4,766.37	3/4	4,949.30	3/4	5,134.99	3/4	5,323.78
9	3,652.98	9	3,839.62	9	4,025.75	9	4,209.98	9	4,401.50	9	4,583.30	9	4,770.24	9	4,953.11	9	5,138.80	9	5,327.59
1/4	3,656.87	1/4	3,843.50	1/4	4,029.62	1/4	4,213.35	1/4	4,405.37	1/4	4,587.17	1/4	4,774.11	1/4	4,956.92	1/4	5,142.61	1/4	5,331.40
1/2	3,660.76	1/2	3,847.39	1/2	4,033.49	1/2	4,217.13	1/2	4,409.24	1/2	4,591.04	1/2	4,777.98	1/2	4,960.73	1/2	5,146.42	1/2	5,335.21
3/4	3,664.65	3/4	3,851.28	3/4	4,037.36	3/4	4,220.99	3/4	4,413.11	3/4	4,594.91	3/4	4,781.82	3/4	4,964.54	3/4	5,150.23	3/4	5,339.02
10	3,668.54	10	3,855.17	10	4,041.23	10	4,224.77	10	4,417.18	10	4,598.78	10	4,785.69	10	4,968.35	10	5,154.04	10	5,342.83
1/4	3,672.42	1/4	3,859.06	1/4	4,045.10	1/4	4,228.54	1/4	4,421.25	1/4	4,602.65	1/4	4,789.54	1/4	4,972.16	1/4	5,157.85	1/4	5,346.64
1/2	3,676.31	1/2	3,862.95	1/2	4,048.97	1/2	4,232.40	1/2	4,425.32	1/2	4,606.52	1/2	4,793.41	1/2	4,975.97	1/2	5,161.66	1/2	5,350.45
3/4	3,680.20	3/4	3,866.83	3/4	4,052.84	3/4	4,236.26	3/4	4,429.19	3/4	4,610.39	3/4	4,797.30	3/4	4,979.78	3/4	5,165.47	3/4	5,354.26
11	3,684.09	11	3,870.72	11	4,056.71	11	4,239.11	11	4,433.06	11	4,614.26	11	4,801.17	11	4,983.59	11	5,169.28	11	5,358.07
1/4	3,687.98	1/4	3,874.61	1/4	4,060.58	1/4	4,242.96	1/4	4,436.93	1/4	4,618.13	1/4	4,805.04	1/4	4,987.40	1/4	5,173.09	1/4	5,361.88
1/2	3,691.86	1/2	3,878.50	1/2	4,064.46	1/2	4,246.81	1/2	4,440.80	1/2	4,622.00	1/2	4,809.15	1/2	4,991.27	1/2	5,176.90	1/2	5,365.69
3/4	3,695.75	3/4	3,882.39	3/4	4,068.33	3/4	4,250.66	3/4	4,444.67	3/4	4,626.87	3/4	4,813.02	3/4	4,995.08	3/4	5,180.71	3/4	5,369.50

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/17/2024 CL
CALCULATED: 04/17/2024 JS
PRINTED: 04/17/2024 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77568
<http://www.bmacorp.net>



BARGE "EMS 3056"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	28.00	0	363.01	0	719.65	0	1,068.99	0	1,414.73	0	1,771.18	0	2,130.96	0	2,490.44	0	2,843.69	0	3,166.45
1/4	31.91	1/4	370.35	1/4	727.16	1/4	1,076.07	1/4	1,422.11	1/4	1,778.68	1/4	2,138.45	1/4	2,497.93	1/4	2,848.43	1/4	3,173.98
1/2	35.83	1/2	377.69	1/2	734.67	1/2	1,083.16	1/2	1,429.49	1/2	1,786.18	1/2	2,145.93	1/2	2,505.42	1/2	2,855.16	1/2	3,181.51
3/4	40.99	3/4	385.02	3/4	742.08	3/4	1,090.24	3/4	1,436.88	3/4	1,793.68	3/4	2,153.42	3/4	2,512.91	3/4	2,866.99	3/4	3,199.04
1	46.15	1	392.35	1	749.50	1	1,097.33	1	1,444.16	1	1,801.18	1	2,160.90	1	2,520.41	1	2,860.81	1	3,196.57
1/4	51.32	1/4	399.68	1/4	756.91	1/4	1,104.41	1/4	1,451.50	1/4	1,808.68	1/4	2,168.39	1/4	2,527.90	1/4	2,864.84	1/4	3,204.11
1/2	56.48	1/2	407.02	1/2	764.32	1/2	1,111.50	1/2	1,458.83	1/2	1,816.19	1/2	2,175.87	1/2	2,535.39	1/2	2,868.46	1/2	3,211.64
3/4	62.91	3/4	414.35	3/4	771.70	3/4	1,118.58	3/4	1,466.17	3/4	1,823.69	3/4	2,183.36	3/4	2,542.88	3/4	2,872.33	3/4	3,219.17
2	69.33	2	421.68	2	779.08	2	1,125.67	2	1,473.51	2	1,831.19	2	2,190.84	2	2,550.38	2	2,876.20	2	3,226.70
1/4	75.75	1/4	429.01	1/4	786.46	1/4	1,132.75	1/4	1,480.84	1/4	1,838.69	1/4	2,198.33	1/4	2,558.16	1/4	2,880.06	1/4	3,234.23
1/2	82.17	1/2	436.34	1/2	793.84	1/2	1,139.84	1/2	1,488.18	1/2	1,846.19	1/2	2,205.81	1/2	2,565.36	1/2	2,883.93	1/2	3,241.76
3/4	89.37	3/4	443.68	3/4	801.21	3/4	1,146.92	3/4	1,495.51	3/4	1,853.69	3/4	2,213.30	3/4	2,572.85	3/4	2,887.81	3/4	3,249.29
3	96.58	3	451.01	3	808.59	3	1,154.01	3	1,502.85	3	1,861.19	3	2,220.78	3	2,580.35	3	2,895.34	3	3,256.82
1/4	103.78	1/4	458.35	1/4	815.96	1/4	1,161.09	1/4	1,510.19	1/4	1,868.69	1/4	2,228.27	1/4	2,587.84	1/4	2,902.87	1/4	3,264.35
1/2	110.99	1/2	465.68	1/2	823.34	1/2	1,168.18	1/2	1,517.52	1/2	1,876.20	1/2	2,235.75	1/2	2,595.33	1/2	2,910.40	1/2	3,271.88
3/4	118.35	3/4	473.02	3/4	830.71	3/4	1,175.27	3/4	1,524.86	3/4	1,883.70	3/4	2,243.24	3/4	2,602.80	3/4	2,917.93	3/4	3,279.41
4	125.71	4	480.36	4	838.08	4	1,182.35	4	1,532.19	4	1,891.20	4	2,250.72	4	2,610.27	4	2,925.46	4	3,286.95
1/4	133.07	1/4	487.70	1/4	845.45	1/4	1,189.44	1/4	1,539.53	1/4	1,898.70	1/4	2,258.21	1/4	2,617.74	1/4	2,932.99	1/4	3,294.48
1/2	140.44	1/2	495.03	1/2	852.82	1/2	1,196.53	1/2	1,546.87	1/2	1,906.20	1/2	2,265.69	1/2	2,625.22	1/2	2,940.52	1/2	3,302.01
3/4	147.80	3/4	502.48	3/4	860.20	3/4	1,203.62	3/4	1,554.20	3/4	1,913.71	3/4	2,273.18	3/4	2,632.68	3/4	2,948.06	3/4	3,309.54
5	155.16	5	509.93	5	867.57	5	1,210.70	5	1,561.54	5	1,921.22	5	2,280.66	5	2,640.14	5	2,955.59	5	3,317.07
1/4	162.53	1/4	517.38	1/4	874.94	1/4	1,217.79	1/4	1,568.87	1/4	1,928.16	1/4	2,288.15	1/4	2,647.61	1/4	2,962.12	1/4	3,324.60
1/2	169.89	1/2	524.83	1/2	882.31	1/2	1,224.88	1/2	1,576.21	1/2	1,936.23	1/2	2,295.63	1/2	2,655.07	1/2	2,970.65	1/2	3,332.13
3/4	177.36	3/4	532.31	3/4	889.68	3/4	1,231.98	3/4	1,583.68	3/4	1,943.74	3/4	2,303.12	3/4	2,662.54	3/4	2,987.18	3/4	3,339.66
6	184.83	6	539.80	6	897.06	6	1,239.07	6	1,591.14	6	1,951.25	6	2,310.60	6	2,670.00	6	2,995.71	6	3,347.19
1/4	192.30	1/4	547.28	1/4	904.43	1/4	1,246.17	1/4	1,598.61	1/4	1,958.76	1/4	2,318.08	1/4	2,677.47	1/4	2,993.24	1/4	3,354.72
1/2	199.77	1/2	554.76	1/2	911.80	1/2	1,253.27	1/2	1,606.07	1/2	1,966.27	1/2	2,325.57	1/2	2,684.93	1/2	3,000.77	1/2	3,362.25
3/4	207.28	3/4	562.25	3/4	919.15	3/4	1,260.38	3/4	1,613.58	3/4	1,973.76	3/4	2,333.06	3/4	2,692.40	3/4	3,008.30	3/4	3,369.79
7	214.79	7	569.73	7	926.51	7	1,267.50	7	1,621.09	7	1,981.25	7	2,340.55	7	2,699.86	7	3,015.83	7	3,377.32
1/4	222.29	1/4	577.21	1/4	933.86	1/4	1,274.62	1/4	1,628.60	1/4	1,988.74	1/4	2,348.04	1/4	2,707.32	1/4	3,023.36	1/4	3,384.85
1/2	229.80	1/2	584.70	1/2	941.22	1/2	1,281.73	1/2	1,636.11	1/2	1,996.23	1/2	2,355.54	1/2	2,714.79	1/2	3,030.90	1/2	3,392.38
3/4	237.30	3/4	592.18	3/4	948.56	3/4	1,288.86	3/4	1,643.62	3/4	2,003.72	3/4	2,363.03	3/4	2,722.25	3/4	3,038.43	3/4	3,399.91
8	244.81	8	599.66	8	955.90	8	1,295.98	8	1,651.13	8	2,011.20	8	2,370.53	8	2,729.72	8	3,045.96	8	3,407.44
1/4	252.32	1/4	607.15	1/4	963.25	1/4	1,303.10	1/4	1,658.64	1/4	2,018.69	1/4	2,378.02	1/4	2,737.18	1/4	3,053.49	1/4	3,414.97
1/2	259.82	1/2	614.63	1/2	970.59	1/2	1,310.22	1/2	1,666.15	1/2	2,026.17	1/2	2,385.52	1/2	2,744.65	1/2	3,061.02	1/2	3,422.50
3/4	267.22	3/4	622.11	3/4	977.64	3/4	1,317.64	3/4	1,673.65	3/4	2,033.66	3/4	2,393.01	3/4	2,752.11	3/4	3,068.55	3/4	3,430.03
9	274.62	9	629.60	9	984.69	9	1,325.05	9	1,681.16	9	2,041.14	9	2,400.50	9	2,759.58	9	3,076.08	9	3,437.51
1/4	282.02	1/4	637.08	1/4	991.75	1/4	1,332.46	1/4	1,688.66	1/4	2,048.63	1/4	2,408.00	1/4	2,767.04	1/4	3,083.61	1/4	3,445.04
1/2	289.42	1/2	644.56	1/2	998.80	1/2	1,339.88	1/2	1,696.16	1/2	2,056.11	1/2	2,415.49	1/2	2,774.51	1/2	3,091.14	1/2	3,452.57
3/4	296.79	3/4	652.07	3/4	1,005.75	3/4	1,347.39	3/4	1,703.67	3/4	2,063.60	3/4	2,422.99	3/4	2,781.97	3/4	3,098.67	3/4	3,459.55
10	304.15	10	659.57	10	1,012.70	10	1,354.90	10	1,711.17	10	2,071.08	10	2,430.48	10	2,789.43	10	3,106.20	10	3,467.07
1/4	311.51	1/4	667.08	1/4	1,019.66	1/4	1,362.41	1/4	1,718.67	1/4	2,078.57	1/4	2,437.98	1/4	2,796.90	1/4	3,113.74	1/4	3,474.53
1/2	318.88	1/2	674.58	1/2	1,026.61	1/2	1,369.92	1/2	1,726.17	1/2	2,086.05	1/2	2,445.47	1/2	2,804.36	1/2	3,121.27	1/2	3,481.99
3/4	326.24	3/4	682.09	3/4	1,033.66	3/4	1,377.44	3/4	1,733.67	3/4	2,093.54	3/4	2,452.97	3/4	2,811.83	3/4	3,128.80	3/4	3,489.43
11	333.60	11	689.60	11	1,040.72	11	1,384.95	11	1,741.17	11	2,101.02	11	2,460.46	11	2,819.29	11	3,136.33	11	3,496.93
1/4	340.97	1/4	697.12	1/4	1,047.77	1/4	1,392.46	1/4	1,748.67	1/4	2,108.51	1/4	2,467.96	1/4	2,826.76	1/4	3,143.86	1/4	3,504.43
1/2	348.33	1/2	704.63	1/2	1,054.82	1/2	1,399.97	1/2	1,756.18	1/2	2,115.99	1/2	2,475.45	1/2	2,834.22	1/2	3,151.39	1/2	3,511.91
3/4	355.67	3/4	712.14	3/4	1,061.90	3/4	1,407.35	3/4	1,763.68	3/4	2,123.48	3/4	2,482.94	3/4	2,838.96	3/4	3,158.92	3/4	3,519.44

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF HERMETIC VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2002
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "EMS 3056"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	3,480.47	0	3,666.72	0	3,852.96	0	4,038.49	0	4,223.26	0	4,407.72	0	4,591.25	0	4,773.36	0	4,953.94	0	5,133.00
1/4	3,484.35	1/4	3,670.60	1/4	3,856.84	1/4	4,042.35	1/4	4,226.62	1/4	4,410.38	1/4	4,592.65	1/4	4,773.96	1/4	4,953.94	1/4	5,133.00
1/2	3,488.23	1/2	3,674.48	1/2	3,860.72	1/2	4,046.22	1/2	4,229.96	1/2	4,413.70	1/2	4,594.03	1/2	4,774.72	1/2	4,953.94	1/2	5,133.00
3/4	3,492.11	3/4	3,678.36	3/4	3,864.60	3/4	4,050.08	3/4	4,233.20	3/4	4,416.58	3/4	4,596.41	3/4	4,777.20	3/4	4,953.94	3/4	5,133.00
1	3,495.99	1	3,682.24	1	3,868.48	1	4,053.94	1	4,236.60	1	4,419.43	1	4,598.25	1	4,778.00	1	4,953.94	1	5,133.00
1/4	3,499.87	1/4	3,686.12	1/4	3,872.36	1/4	4,057.80	1/4	4,240.50	1/4	4,422.36	1/4	4,600.11	1/4	4,780.00	1/4	4,953.94	1/4	5,133.00
1/2	3,503.75	1/2	3,690.00	1/2	3,876.24	1/2	4,061.67	1/2	4,244.40	1/2	4,425.20	1/2	4,603.00	1/2	4,783.00	1/2	4,953.94	1/2	5,133.00
3/4	3,507.63	3/4	3,693.88	3/4	3,880.11	3/4	4,065.53	3/4	4,248.30	3/4	4,428.10	3/4	4,605.90	3/4	4,786.00	3/4	4,953.94	3/4	5,133.00
2	3,511.51	2	3,697.76	2	3,883.98	2	4,069.39	2	4,252.20	2	4,431.00	2	4,609.80	2	4,789.00	2	4,953.94	2	5,133.00
1/4	3,515.40	1/4	3,701.64	1/4	3,887.85	1/4	4,073.25	1/4	4,256.10	1/4	4,434.90	1/4	4,613.70	1/4	4,792.00	1/4	4,953.94	1/4	5,133.00
1/2	3,519.28	1/2	3,705.52	1/2	3,891.72	1/2	4,077.12	1/2	4,260.00	1/2	4,438.80	1/2	4,617.60	1/2	4,795.00	1/2	4,953.94	1/2	5,133.00
3/4	3,523.16	3/4	3,709.40	3/4	3,895.58	3/4	4,080.98	3/4	4,263.90	3/4	4,442.70	3/4	4,621.50	3/4	4,798.00	3/4	4,953.94	3/4	5,133.00
3	3,527.04	3	3,713.28	3	3,899.45	3	4,084.84	3	4,267.80	3	4,446.60	3	4,625.40	3	4,801.00	3	4,953.94	3	5,133.00
1/4	3,530.92	1/4	3,717.16	1/4	3,903.31	1/4	4,088.70	1/4	4,271.70	1/4	4,450.50	1/4	4,629.30	1/4	4,804.00	1/4	4,953.94	1/4	5,133.00
1/2	3,534.80	1/2	3,721.04	1/2	3,907.17	1/2	4,092.57	1/2	4,275.60	1/2	4,454.40	1/2	4,633.20	1/2	4,807.00	1/2	4,953.94	1/2	5,133.00
3/4	3,538.68	3/4	3,724.92	3/4	3,911.03	3/4	4,096.41	3/4	4,279.50	3/4	4,458.30	3/4	4,637.10	3/4	4,810.00	3/4	4,953.94	3/4	5,133.00
4	3,542.56	4	3,728.80	4	3,914.90	4	4,100.25	4	4,283.40	4	4,462.20	4	4,641.00	4	4,813.00	4	4,953.94	4	5,133.00
1/4	3,546.44	1/4	3,732.68	1/4	3,918.76	1/4	4,104.09	1/4	4,287.30	1/4	4,466.10	1/4	4,644.90	1/4	4,816.00	1/4	4,953.94	1/4	5,133.00
1/2	3,550.32	1/2	3,736.56	1/2	3,922.62	1/2	4,107.93	1/2	4,291.20	1/2	4,470.00	1/2	4,648.80	1/2	4,819.00	1/2	4,953.94	1/2	5,133.00
3/4	3,554.20	3/4	3,740.44	3/4	3,926.48	3/4	4,111.76	3/4	4,295.10	3/4	4,473.90	3/4	4,652.70	3/4	4,822.00	3/4	4,953.94	3/4	5,133.00
5	3,558.08	5	3,744.32	5	3,930.34	5	4,115.59	5	4,299.00	5	4,477.80	5	4,656.60	5	4,825.00	5	4,953.94	5	5,133.00
1/4	3,561.96	1/4	3,748.20	1/4	3,934.21	1/4	4,119.43	1/4	4,302.90	1/4	4,481.70	1/4	4,660.50	1/4	4,828.00	1/4	4,953.94	1/4	5,133.00
1/2	3,565.84	1/2	3,752.08	1/2	3,938.07	1/2	4,123.26	1/2	4,306.80	1/2	4,485.60	1/2	4,664.40	1/2	4,831.00	1/2	4,953.94	1/2	5,133.00
3/4	3,569.72	3/4	3,755.96	3/4	3,941.93	3/4	4,127.08	3/4	4,310.70	3/4	4,489.50	3/4	4,668.30	3/4	4,834.00	3/4	4,953.94	3/4	5,133.00
6	3,573.60	6	3,759.84	6	3,945.79	6	4,130.93	6	4,314.60	6	4,493.40	6	4,672.20	6	4,837.00	6	4,953.94	6	5,133.00
1/4	3,577.48	1/4	3,763.72	1/4	3,949.66	1/4	4,134.76	1/4	4,318.50	1/4	4,497.30	1/4	4,676.10	1/4	4,840.00	1/4	4,953.94	1/4	5,133.00
1/2	3,581.36	1/2	3,767.60	1/2	3,953.52	1/2	4,138.59	1/2	4,322.40	1/2	4,501.20	1/2	4,680.00	1/2	4,843.00	1/2	4,953.94	1/2	5,133.00
3/4	3,585.24	3/4	3,771.48	3/4	3,957.38	3/4	4,142.43	3/4	4,326.30	3/4	4,505.10	3/4	4,683.90	3/4	4,846.00	3/4	4,953.94	3/4	5,133.00
7	3,589.12	7	3,775.36	7	3,961.24	7	4,146.26	7	4,330.20	7	4,509.00	7	4,687.80	7	4,849.00	7	4,953.94	7	5,133.00
1/4	3,593.00	1/4	3,779.24	1/4	3,965.11	1/4	4,150.09	1/4	4,334.10	1/4	4,512.90	1/4	4,691.70	1/4	4,852.00	1/4	4,953.94	1/4	5,133.00
1/2	3,596.88	1/2	3,783.12	1/2	3,968.97	1/2	4,153.93	1/2	4,338.00	1/2	4,516.80	1/2	4,695.60	1/2	4,855.00	1/2	4,953.94	1/2	5,133.00
3/4	3,600.76	3/4	3,787.00	3/4	3,972.83	3/4	4,157.76	3/4	4,341.90	3/4	4,520.70	3/4	4,699.50	3/4	4,858.00	3/4	4,953.94	3/4	5,133.00
8	3,604.64	8	3,790.88	8	3,976.69	8	4,161.59	8	4,345.80	8	4,524.60	8	4,703.40	8	4,861.00	8	4,953.94	8	5,133.00
1/4	3,608.52	1/4	3,794.76	1/4	3,980.56	1/4	4,165.43	1/4	4,349.70	1/4	4,528.50	1/4	4,707.30	1/4	4,864.00	1/4	4,953.94	1/4	5,133.00
1/2	3,612.40	1/2	3,798.64	1/2	3,984.42	1/2	4,169.26	1/2	4,353.60	1/2	4,532.40	1/2	4,711.20	1/2	4,867.00	1/2	4,953.94	1/2	5,133.00
3/4	3,616.28	3/4	3,802.52	3/4	3,988.28	3/4	4,172.63	3/4	4,357.50	3/4	4,536.30	3/4	4,715.10	3/4	4,870.00	3/4	4,953.94	3/4	5,133.00
9	3,620.16	9	3,806.40	9	3,992.14	9	4,175.99	9	4,361.40	9	4,540.20	9	4,719.00	9	4,873.00	9	4,953.94	9	5,133.00
1/4	3,624.04	1/4	3,810.28	1/4	3,996.01	1/4	4,179.36	1/4	4,365.30	1/4	4,544.10	1/4	4,722.90	1/4	4,876.00	1/4	4,953.94	1/4	5,133.00
1/2	3,627.92	1/2	3,814.16	1/2	3,999.87	1/2	4,182.73	1/2	4,369.20	1/2	4,548.00	1/2	4,726.80	1/2	4,879.00	1/2	4,953.94	1/2	5,133.00
3/4	3,631.80	3/4	3,818.04	3/4	4,003.73	3/4	4,184.99	3/4	4,373.10	3/4	4,551.90	3/4	4,730.70	3/4	4,882.00	3/4	4,953.94	3/4	5,133.00
10	3,635.68	10	3,821.92	10	4,007.59	10	4,187.26	10	4,377.00	10	4,555.80	10	4,734.60	10	4,885.00	10	4,953.94	10	5,133.00
1/4	3,639.56	1/4	3,825.80	1/4	4,011.46	1/4	4,189.52	1/4	4,380.90	1/4	4,559.70	1/4	4,738.50	1/4	4,888.00	1/4	4,953.94	1/4	5,133.00
1/2	3,643.44	1/2	3,829.68	1/2	4,015.32	1/2	4,191.79	1/2	4,384.80	1/2	4,563.60	1/2	4,742.40	1/2	4,891.00	1/2	4,953.94	1/2	5,133.00
3/4	3,647.32	3/4	3,833.56	3/4	4,019.18	3/4	4,192.80	3/4	4,388.70	3/4	4,567.50	3/4	4,746.30	3/4	4,894.00	3/4	4,953.94	3/4	5,133.00
11	3,651.20	11	3,837.44	11	4,023.04	11	4,193.81	11	4,392.60	11	4,571.40	11	4,750.10	11	4,897.00	11	4,953.94	11	5,133.00
1/4	3,655.08	1/4	3,841.32	1/4	4,026.90	1/4	4,194.82	1/4	4,396.50	1/4	4,575.30	1/4	4,753.90	1/4	4,900.00	1/4	4,953.94	1/4	5,133.00
1/2	3,658.96	1/2	3,845.20	1/2	4,030.77	1/2	4,195.83	1/2	4,400.40	1/2	4,579.20	1/2	4,757.80	1/2	4,903.00	1/2	4,953.94	1/2	5,133.00
3/4	3,662.84	3/4	3,849.08	3/4	4,034.63	3/4	4,196.84	3/4	4,404.30	3/4	4,583.10	3/4	4,761.70	3/4	4,906.00	3/4	4,953.94	3/4	5,133.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/17/2024 CL
 CALCULATED: 04/17/2024 JS
 PRINTED: 04/17/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 04/2024

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