



BARGE "EMS 3057"

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:

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 ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 237'-00"

June 21, 2024

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

<http://www.pmacorp.net>



BARGE "EMS 3057"

1 PORT 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	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	4,481.77	0	4,172.91	0	3,844.42	0	3,514.69	0	3,184.96	0	2,855.23	0	2,525.50	0	2,195.77	0	1,865.81	0
1/4	1/4	4,477.56	1/4	4,166.07	1/4	3,837.56	1/4	3,507.82	1/4	3,178.09	1/4	2,848.36	1/4	2,518.63	1/4	2,188.89	1/4	1,858.94	1/4
1/2	1/2	4,473.35	1/2	4,159.23	1/2	3,830.69	1/2	3,500.95	1/2	3,171.22	1/2	2,841.49	1/2	2,511.76	1/2	2,182.02	1/2	1,852.07	1/2
3/4	3/4	4,469.14	3/4	4,152.40	3/4	3,823.82	3/4	3,494.09	3/4	3,164.35	3/4	2,834.62	3/4	2,504.89	3/4	2,175.14	3/4	1,845.19	3/4
1	1	4,464.92	1	4,145.56	1	3,816.95	1	3,487.22	1	3,157.48	1	2,827.75	1	2,498.02	1	2,168.27	1	1,838.32	1
1/4	1/4	4,459.57	1/4	4,138.72	1/4	3,810.08	1/4	3,480.35	1/4	3,150.62	1/4	2,820.88	1/4	2,491.15	1/4	2,161.40	1/4	1,831.44	1/4
1/2	1/2	4,454.21	1/2	4,131.88	1/2	3,803.21	1/2	3,473.48	1/2	3,143.75	1/2	2,814.01	1/2	2,484.28	1/2	2,154.52	1/2	1,824.57	1/2
3/4	3/4	4,448.85	3/4	4,125.05	3/4	3,796.34	3/4	3,466.61	3/4	3,136.88	3/4	2,807.15	3/4	2,477.41	3/4	2,147.65	3/4	1,817.70	3/4
2	2	4,443.49	2	4,118.21	2	3,789.47	2	3,459.74	2	3,130.01	2	2,800.28	2	2,470.54	2	2,140.77	2	1,810.82	2
1/4	1/4	4,437.13	1/4	4,111.37	1/4	3,782.60	1/4	3,452.87	1/4	3,123.14	1/4	2,793.41	1/4	2,463.68	1/4	2,133.90	1/4	1,803.95	1/4
1/2	1/2	4,430.78	1/2	4,104.54	1/2	3,775.73	1/2	3,446.00	1/2	3,116.27	1/2	2,786.54	1/2	2,456.81	1/2	2,127.03	1/2	1,797.07	1/2
3/4	3/4	4,424.42	3/4	4,097.70	3/4	3,768.86	3/4	3,439.13	3/4	3,109.40	3/4	2,779.67	3/4	2,449.94	3/4	2,120.15	3/4	1,790.20	3/4
3	3	4,418.06	3	4,090.86	3	3,761.99	3	3,432.26	3	3,102.53	3	2,772.80	3	2,443.07	3	2,113.28	3	1,783.33	3
1/4	1/4	4,411.27	1/4	4,084.03	1/4	3,755.12	1/4	3,425.39	1/4	3,095.66	1/4	2,765.93	1/4	2,436.20	1/4	2,106.40	1/4	1,776.45	1/4
1/2	1/2	4,404.48	1/2	4,077.19	1/2	3,748.25	1/2	3,418.52	1/2	3,088.79	1/2	2,759.06	1/2	2,429.33	1/2	2,099.53	1/2	1,769.58	1/2
3/4	3/4	4,397.69	3/4	4,070.35	3/4	3,741.38	3/4	3,411.65	3/4	3,081.92	3/4	2,752.19	3/4	2,422.46	3/4	2,092.66	3/4	1,762.70	3/4
4	4	4,390.90	4	4,063.51	4	3,734.51	4	3,404.78	4	3,075.05	4	2,745.32	4	2,415.59	4	2,085.78	4	1,755.83	4
1/4	1/4	4,384.12	1/4	4,056.68	1/4	3,727.64	1/4	3,397.91	1/4	3,068.18	1/4	2,738.45	1/4	2,408.72	1/4	2,078.91	1/4	1,748.96	1/4
1/2	1/2	4,377.33	1/2	4,049.84	1/2	3,720.78	1/2	3,391.04	1/2	3,061.31	1/2	2,731.58	1/2	2,401.85	1/2	2,072.03	1/2	1,742.08	1/2
3/4	3/4	4,370.55	3/4	4,043.00	3/4	3,713.91	3/4	3,384.17	3/4	3,054.44	3/4	2,724.71	3/4	2,394.98	3/4	2,065.16	3/4	1,735.21	3/4
5	5	4,363.76	5	4,036.17	5	3,707.04	5	3,377.31	5	3,047.57	5	2,717.84	5	2,388.11	5	2,058.29	5	1,728.33	5
1/4	1/4	4,356.98	1/4	4,029.33	1/4	3,700.17	1/4	3,370.44	1/4	3,040.70	1/4	2,710.97	1/4	2,381.24	1/4	2,051.41	1/4	1,721.46	1/4
1/2	1/2	4,350.19	1/2	4,022.49	1/2	3,693.30	1/2	3,363.57	1/2	3,033.84	1/2	2,704.10	1/2	2,374.37	1/2	2,044.54	1/2	1,714.59	1/2
3/4	3/4	4,343.41	3/4	4,015.66	3/4	3,686.43	3/4	3,356.70	3/4	3,026.97	3/4	2,697.23	3/4	2,367.50	3/4	2,037.66	3/4	1,707.71	3/4
6	6	4,336.63	6	4,008.82	6	3,679.56	6	3,349.83	6	3,020.10	6	2,690.37	6	2,360.63	6	2,030.79	6	1,700.84	6
1/4	1/4	4,329.84	1/4	4,001.98	1/4	3,672.69	1/4	3,342.96	1/4	3,013.23	1/4	2,683.50	1/4	2,353.76	1/4	2,023.92	1/4	1,693.96	1/4
1/2	1/2	4,323.06	1/2	3,995.14	1/2	3,665.82	1/2	3,336.09	1/2	3,006.36	1/2	2,676.63	1/2	2,346.90	1/2	2,017.04	1/2	1,687.09	1/2
3/4	3/4	4,316.27	3/4	3,988.31	3/4	3,658.95	3/4	3,329.22	3/4	2,999.49	3/4	2,669.76	3/4	2,340.03	3/4	2,010.17	3/4	1,680.22	3/4
7	7	4,309.49	7	3,981.47	7	3,652.08	7	3,322.35	7	2,992.62	7	2,662.89	7	2,333.16	7	2,003.29	7	1,673.34	7
1/4	1/4	4,302.69	1/4	3,974.63	1/4	3,645.21	1/4	3,315.48	1/4	2,985.75	1/4	2,656.02	1/4	2,326.29	1/4	1,996.42	1/4	1,666.47	1/4
1/2	1/2	4,295.89	1/2	3,967.80	1/2	3,638.34	1/2	3,308.61	1/2	2,978.88	1/2	2,649.15	1/2	2,319.42	1/2	1,989.55	1/2	1,659.59	1/2
3/4	3/4	4,289.10	3/4	3,960.96	3/4	3,631.47	3/4	3,301.74	3/4	2,972.01	3/4	2,642.28	3/4	2,312.55	3/4	1,982.67	3/4	1,652.72	3/4
8	8	4,282.30	8	3,954.12	8	3,624.60	8	3,294.87	8	2,965.14	8	2,635.41	8	2,305.68	8	1,975.80	8	1,645.85	8
1/4	1/4	4,275.46	1/4	3,947.29	1/4	3,617.73	1/4	3,288.00	1/4	2,958.27	1/4	2,628.54	1/4	2,298.81	1/4	1,968.92	1/4	1,638.97	1/4
1/2	1/2	4,268.62	1/2	3,940.45	1/2	3,610.87	1/2	3,281.13	1/2	2,951.40	1/2	2,621.67	1/2	2,291.94	1/2	1,962.05	1/2	1,632.10	1/2
3/4	3/4	4,261.79	3/4	3,933.61	3/4	3,604.00	3/4	3,274.26	3/4	2,944.53	3/4	2,614.80	3/4	2,285.07	3/4	1,955.18	3/4	1,625.22	3/4
9	9	4,254.95	9	3,926.77	9	3,597.13	9	3,267.40	9	2,937.66	9	2,607.93	9	2,278.20	9	1,948.30	9	1,618.35	9
1/4	1/4	4,248.11	1/4	3,919.93	1/4	3,590.26	1/4	3,260.53	1/4	2,930.79	1/4	2,601.06	1/4	2,271.33	1/4	1,941.43	1/4	1,611.48	1/4
1/2	1/2	4,241.28	1/2	3,913.08	1/2	3,583.39	1/2	3,253.66	1/2	2,923.93	1/2	2,594.19	1/2	2,264.46	1/2	1,934.55	1/2	1,604.60	1/2
3/4	3/4	4,234.44	3/4	3,906.23	3/4	3,576.52	3/4	3,246.79	3/4	2,917.06	3/4	2,587.32	3/4	2,257.59	3/4	1,927.68	3/4	1,597.73	3/4
10	10	4,227.60	10	3,899.38	10	3,569.65	10	3,239.92	10	2,910.19	10	2,580.46	10	2,250.72	10	1,920.81	10	1,590.85	10
1/4	1/4	4,220.77	1/4	3,892.52	1/4	3,562.78	1/4	3,233.05	1/4	2,903.32	1/4	2,573.59	1/4	2,243.85	1/4	1,913.93	1/4	1,583.98	1/4
1/2	1/2	4,213.93	1/2	3,885.64	1/2	3,555.91	1/2	3,226.18	1/2	2,896.45	1/2	2,566.72	1/2	2,236.99	1/2	1,907.06	1/2	1,577.11	1/2
3/4	3/4	4,207.09	3/4	3,878.77	3/4	3,549.04	3/4	3,219.31	3/4	2,889.58	3/4	2,559.85	3/4	2,230.12	3/4	1,900.18	3/4	1,570.23	3/4
11	11	4,200.25	11	3,871.90	11	3,542.17	11	3,212.44	11	2,882.71	11	2,552.98	11	2,223.25	11	1,893.31	11	1,563.36	11
1/4	1/4	4,193.42	1/4	3,865.03	1/4	3,535.30	1/4	3,205.57	1/4	2,875.84	1/4	2,546.11	1/4	2,216.38	1/4	1,886.44	1/4	1,556.48	1/4
1/2	1/2	4,186.58	1/2	3,858.16	1/2	3,528.43	1/2	3,198.70	1/2	2,868.97	1/2	2,539.24	1/2	2,209.51	1/2	1,879.56	1/2	1,549.61	1/2
3/4	3/4	4,179.74	3/4	3,851.29	3/4	3,521.56	3/4	3,191.83	3/4	2,862.10	3/4	2,532.37	3/4	2,202.64	3/4	1,872.69	3/4	1,542.74	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPIMS 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 3057"

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	1,535.86	0	1,206.72	0	878.56	0	559.80	0	264.91	0	0	0	0	0	0	0	0	0	0
1/4	1,528.99	1/4	1,199.85	1/4	871.76	1/4	553.39	1/4	259.09	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,522.11	1/2	1,192.97	1/2	864.96	1/2	546.97	1/2	253.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,515.24	3/4	1,186.10	3/4	858.15	3/4	540.56	3/4	247.46	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,508.37	1	1,179.22	1	851.35	1	534.14	1	241.64	1	1	1	1	1	1	1	1	1	1
1/4	1,501.49	1/4	1,172.35	1/4	844.58	1/4	527.76	1/4	235.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,494.62	1/2	1,165.48	1/2	837.80	1/2	521.38	1/2	230.09	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,487.74	3/4	1,158.60	3/4	831.03	3/4	515.00	3/4	224.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,480.87	2	1,151.73	2	824.25	2	508.62	2	218.54	2	2	2	2	2	2	2	2	2	2
1/4	1,474.00	1/4	1,144.85	1/4	817.52	1/4	502.28	1/4	212.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,467.12	1/2	1,137.98	1/2	810.78	1/2	495.94	1/2	207.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,460.25	3/4	1,131.11	3/4	804.04	3/4	489.60	3/4	201.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,453.37	3	1,124.23	3	797.30	3	483.26	3	195.46	3	3	3	3	3	3	3	3	3	3
1/4	1,446.50	1/4	1,117.36	1/4	790.60	1/4	476.97	1/4	189.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,439.63	1/2	1,110.48	1/2	783.89	1/2	470.67	1/2	183.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,432.75	3/4	1,103.61	3/4	777.18	3/4	464.37	3/4	177.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,425.88	4	1,096.74	4	770.48	4	458.07	4	172.12	4	4	4	4	4	4	4	4	4	4
1/4	1,419.00	1/4	1,089.88	1/4	763.79	1/4	451.81	1/4	166.33	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,412.13	1/2	1,083.01	1/2	757.11	1/2	445.55	1/2	160.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,405.26	3/4	1,076.15	3/4	750.42	3/4	439.29	3/4	154.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,398.38	5	1,069.29	5	743.74	5	433.04	5	148.95	5	5	5	5	5	5	5	5	5	5
1/4	1,391.52	1/4	1,062.47	1/4	737.05	1/4	426.81	1/4	143.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,384.65	1/2	1,055.65	1/2	730.37	1/2	420.58	1/2	137.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,377.79	3/4	1,048.83	3/4	723.69	3/4	414.36	3/4	131.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,370.92	6	1,042.00	6	717.00	6	408.13	6	126.07	6	6	6	6	6	6	6	6	6	6
1/4	1,364.08	1/4	1,035.19	1/4	710.35	1/4	401.98	1/4	120.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,357.24	1/2	1,028.38	1/2	703.70	1/2	395.83	1/2	114.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,350.40	3/4	1,021.57	3/4	697.06	3/4	389.68	3/4	109.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,343.56	7	1,014.76	7	690.41	7	383.53	7	103.75	7	7	7	7	7	7	7	7	7	7
1/4	1,336.72	1/4	1,007.94	1/4	683.80	1/4	377.52	1/4	98.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,329.88	1/2	1,001.13	1/2	677.19	1/2	371.51	1/2	92.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,323.04	3/4	994.32	3/4	670.58	3/4	365.50	3/4	87.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,316.20	8	987.51	8	663.97	8	359.49	8	81.56	8	8	8	8	8	8	8	8	8	8
1/4	1,309.36	1/4	980.70	1/4	657.41	1/4	353.51	1/4	76.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,302.52	1/2	973.89	1/2	650.84	1/2	347.54	1/2	70.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,295.68	3/4	967.08	3/4	644.27	3/4	341.56	3/4	65.47	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,288.84	9	960.27	9	637.70	9	335.59	9	60.10	9	9	9	9	9	9	9	9	9	9
1/4	1,282.00	1/4	953.46	1/4	631.18	1/4	329.66	1/4	55.49	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,275.16	1/2	946.65	1/2	624.65	1/2	323.73	1/2	50.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,268.32	3/4	939.85	3/4	618.12	3/4	317.80	3/4	46.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,261.48	10	933.04	10	611.59	10	311.87	10	41.67	10	10	10	10	10	10	10	10	10	10
1/4	1,254.64	1/4	926.23	1/4	605.10	1/4	305.98	1/4	38.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,247.80	1/2	919.42	1/2	598.60	1/2	300.09	1/2	34.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,240.96	3/4	912.61	3/4	592.11	3/4	294.20	3/4	31.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,234.11	11	905.80	11	585.62	11	288.31	11	27.95	11	11	11	11	11	11	11	11	11	11
1/4	1,227.27	1/4	898.99	1/4	579.16	1/4	282.46	1/4	25.37	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,220.42	1/2	892.18	1/2	572.71	1/2	276.61	1/2	22.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,213.57	3/4	885.37	3/4	566.26	3/4	270.76	3/4	20.20	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: 06/21/2024 JS
 CALCULATED: 06/21/2024 JS
 PRINTED: 06/21/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2024

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



BARGE "EMS 3057"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	0	0	4,186.13	0	3,857.30	0	3,527.16	0	3,197.01	0	2,866.87	0	2,536.72	0	2,206.57	0	1,876.22				
1/4	1/4	4,488.53	4,179.29	1/4	3,850.42	1/4	3,520.28	1/4	3,190.13	1/4	2,859.99	1/4	2,529.85	1/4	2,199.69	1/4	1,869.33				
1/2	1/2	4,484.31	4,172.44	1/2	3,843.54	1/2	3,513.40	1/2	3,183.26	1/2	2,852.11	1/2	2,522.81	1/2	2,192.65	1/2	1,862.45				
3/4	3/4	4,480.10	4,165.59	3/4	3,836.67	3/4	3,506.52	3/4	3,176.38	3/4	2,846.23	3/4	2,516.09	3/4	2,185.92	3/4	1,855.57				
1	1	4,475.88	4,158.75	1	3,829.79	1	3,499.64	1	3,169.50	1	2,839.36	1	2,509.21	1	2,179.04	1	1,848.69				
1/4	1/4	4,471.66	4,151.90	1/4	3,822.91	1/4	3,492.77	1/4	3,162.62	1/4	2,832.48	1/4	2,502.33	1/4	2,172.16	1/4	1,841.80				
1/2	1/2	4,466.30	4,145.06	1/2	3,816.03	1/2	3,485.89	1/2	3,155.74	1/2	2,825.60	1/2	2,495.46	1/2	2,165.28	1/2	1,834.92				
3/4	3/4	4,460.94	4,138.21	3/4	3,809.15	3/4	3,479.01	3/4	3,148.87	3/4	2,818.72	3/4	2,488.58	3/4	2,158.39	3/4	1,828.04				
2	2	4,455.57	4,131.37	2	3,802.28	2	3,472.13	2	3,141.99	2	2,811.84	2	2,481.70	2	2,151.51	2	1,821.16				
1/4	1/4	4,450.21	4,124.52	1/4	3,795.40	1/4	3,465.25	1/4	3,135.11	1/4	2,804.97	1/4	2,474.82	1/4	2,144.63	1/4	1,814.27				
1/2	1/2	4,443.84	4,117.68	1/2	3,788.52	1/2	3,458.38	1/2	3,128.23	1/2	2,798.09	1/2	2,467.94	1/2	2,137.75	1/2	1,807.39				
3/4	3/4	4,437.47	4,110.83	3/4	3,781.64	3/4	3,451.50	3/4	3,121.35	3/4	2,791.21	3/4	2,461.07	3/4	2,130.86	3/4	1,800.51				
3	3	4,431.11	4,103.99	3	3,774.76	3	3,444.62	3	3,114.48	3	2,784.33	3	2,454.19	3	2,123.98	3	1,793.63				
1/4	1/4	4,424.74	4,097.14	1/4	3,767.89	1/4	3,437.74	1/4	3,107.60	1/4	2,777.45	1/4	2,447.31	1/4	2,117.10	1/4	1,786.74				
1/2	1/2	4,417.94	4,090.29	1/2	3,761.01	1/2	3,430.86	1/2	3,100.72	1/2	2,770.58	1/2	2,440.43	1/2	2,110.22	1/2	1,779.86				
3/4	3/4	4,411.15	4,083.45	3/4	3,754.13	3/4	3,423.99	3/4	3,093.84	3/4	2,763.70	3/4	2,433.55	3/4	2,103.33	3/4	1,772.98				
4	4	4,404.35	4,076.60	4	3,747.25	4	3,417.11	4	3,086.96	4	2,756.82	4	2,426.68	4	2,096.45	4	1,766.10				
1/4	1/4	4,397.55	4,069.76	1/4	3,740.37	1/4	3,410.23	1/4	3,080.09	1/4	2,749.94	1/4	2,421.80	1/4	2,089.57	1/4	1,759.21				
1/2	1/2	4,390.76	4,062.91	1/2	3,733.50	1/2	3,403.35	1/2	3,073.21	1/2	2,743.06	1/2	2,419.80	1/2	2,082.69	1/2	1,752.33				
3/4	3/4	4,383.97	4,056.07	3/4	3,726.62	3/4	3,396.47	3/4	3,066.33	3/4	2,736.19	3/4	2,406.04	3/4	2,075.80	3/4	1,745.45				
5	5	4,377.17	4,049.22	5	3,719.74	5	3,389.60	5	3,059.45	5	2,729.31	5	2,399.16	5	2,068.92	5	1,738.57				
1/4	1/4	4,370.38	4,042.38	1/4	3,712.86	1/4	3,382.72	1/4	3,052.57	1/4	2,722.43	1/4	2,392.29	1/4	2,062.04	1/4	1,731.68				
1/2	1/2	4,363.59	4,035.53	1/2	3,705.98	1/2	3,375.84	1/2	3,045.70	1/2	2,715.55	1/2	2,385.41	1/2	2,055.16	1/2	1,724.80				
3/4	3/4	4,356.79	4,028.68	3/4	3,699.11	3/4	3,369.06	3/4	3,038.82	3/4	2,708.67	3/4	2,378.53	3/4	2,048.28	3/4	1,717.92				
6	6	4,350.00	4,021.84	6	3,692.23	6	3,362.23	6	3,031.94	6	2,701.80	6	2,371.65	6	2,041.39	6	1,711.04				
1/4	1/4	4,343.21	4,014.99	1/4	3,685.35	1/4	3,355.21	1/4	3,025.06	1/4	2,694.92	1/4	2,364.77	1/4	2,034.51	1/4	1,704.16				
1/2	1/2	4,336.41	4,008.15	1/2	3,678.47	1/2	3,348.33	1/2	3,018.18	1/2	2,688.04	1/2	2,357.63	1/2	2,027.63	1/2	1,697.27				
3/4	3/4	4,329.62	4,001.30	3/4	3,671.59	3/4	3,341.45	3/4	3,011.31	3/4	2,681.16	3/4	2,351.02	3/4	2,020.75	3/4	1,690.39				
7	7	4,322.83	3,994.46	7	3,664.72	7	3,334.57	7	3,004.43	7	2,674.28	7	2,344.14	7	2,013.86	7	1,683.51				
1/4	1/4	4,316.03	3,987.61	1/4	3,657.84	1/4	3,327.69	1/4	2,997.55	1/4	2,667.41	1/4	2,337.26	1/4	2,006.98	1/4	1,676.63				
1/2	1/2	4,309.23	3,980.77	1/2	3,650.96	1/2	3,320.82	1/2	2,990.67	1/2	2,660.53	1/2	2,330.38	1/2	2,000.10	1/2	1,669.74				
3/4	3/4	4,302.42	3,973.92	3/4	3,644.08	3/4	3,313.94	3/4	2,983.79	3/4	2,653.65	3/4	2,323.51	3/4	1,993.22	3/4	1,662.86				
8	8	4,295.62	3,967.08	8	3,637.20	8	3,307.06	8	2,976.92	8	2,646.77	8	2,316.63	8	1,986.33	8	1,655.98				
1/4	1/4	4,288.81	3,960.23	1/4	3,630.33	1/4	3,300.18	1/4	2,970.04	1/4	2,639.89	1/4	2,309.75	1/4	1,979.45	1/4	1,649.10				
1/2	1/2	4,281.97	3,953.38	1/2	3,623.45	1/2	3,293.30	1/2	2,963.16	1/2	2,633.02	1/2	2,302.87	1/2	1,972.57	1/2	1,642.21				
3/4	3/4	4,275.12	3,946.54	3/4	3,616.57	3/4	3,286.43	3/4	2,956.28	3/4	2,626.14	3/4	2,295.99	3/4	1,965.69	3/4	1,635.33				
9	9	4,268.28	3,939.69	9	3,609.69	9	3,279.55	9	2,949.40	9	2,619.26	9	2,289.12	9	1,958.80	9	1,628.45				
1/4	1/4	4,261.43	3,932.85	1/4	3,602.81	1/4	3,272.67	1/4	2,942.53	1/4	2,612.38	1/4	2,282.24	1/4	1,951.92	1/4	1,621.57				
1/2	1/2	4,254.59	3,926.00	1/2	3,595.94	1/2	3,265.79	1/2	2,935.65	1/2	2,605.50	1/2	2,275.36	1/2	1,945.04	1/2	1,614.68				
3/4	3/4	4,247.74	3,919.15	3/4	3,589.06	3/4	3,258.91	3/4	2,928.77	3/4	2,598.63	3/4	2,268.48	3/4	1,938.16	3/4	1,607.80				
10	10	4,240.90	3,912.30	10	3,582.18	10	3,252.04	10	2,921.89	10	2,591.75	10	2,261.60	10	1,931.27	10	1,600.92				
1/4	1/4	4,234.05	3,905.45	1/4	3,575.30	1/4	3,245.16	1/4	2,915.01	1/4	2,584.87	1/4	2,254.73	1/4	1,924.39	1/4	1,594.04				
1/2	1/2	4,227.20	3,898.57	1/2	3,568.42	1/2	3,238.28	1/2	2,908.14	1/2	2,577.99	1/2	2,247.85	1/2	1,917.51	1/2	1,587.15				
3/4	3/4	4,220.36	3,891.69	3/4	3,561.55	3/4	3,231.40	3/4	2,901.26	3/4	2,571.11	3/4	2,240.99	3/4	1,910.63	3/4	1,580.27				
11	11	4,213.51	3,884.81	11	3,554.67	11	3,224.52	11	2,894.38	11	2,564.24	11	2,234.09	11	1,903.74	11	1,573.39				
1/4	1/4	4,206.67	3,877.93	1/4	3,547.79	1/4	3,217.65	1/4	2,887.50	1/4	2,557.36	1/4	2,227.21	1/4	1,896.86	1/4	1,566.51				
1/2	1/2	4,199.82	3,871.06	1/2	3,540.91	1/2	3,210.77	1/2	2,880.62	1/2	2,550.48	1/2	2,220.33	1/2	1,889.98	1/2	1,559.62				
3/4	3/4	4,192.98	3,864.18	3/4	3,534.03	3/4	3,203.89	3/4	2,873.75	3/4	2,543.60	3/4	2,213.45	3/4	1,883.10	3/4	1,552.74				

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "EMS 3057"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	1,545.86	0	1,216.29	0	887.01	0	567.01	0	271.13	0	0	0	0	0	0	0	0	0	0
1/4	1,538.98	1/4	1,209.43	1/4	880.17	1/4	560.55	1/4	265.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,532.10	1/2	1,202.55	1/2	873.33	1/2	554.12	1/2	259.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,525.21	3/4	1,195.66	3/4	866.49	3/4	547.70	3/4	253.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,518.33	1	1,188.78	1	859.66	1	541.28	1	247.80	1	1	1	1	1	1	1	1	1	1
1/4	1,511.45	1/4	1,181.90	1/4	852.82	1/4	534.86	1/4	241.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,504.57	1/2	1,175.02	1/2	846.02	1/2	528.47	1/2	236.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,497.68	3/4	1,168.13	3/4	839.21	3/4	522.08	3/4	230.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,490.80	2	1,161.25	2	832.40	2	515.69	2	224.62	2	2	2	2	2	2	2	2	2	2
1/4	1,483.92	1/4	1,154.37	1/4	825.60	1/4	509.30	1/4	218.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,477.04	1/2	1,147.49	1/2	818.83	1/2	502.95	1/2	213.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,470.15	3/4	1,140.60	3/4	812.06	3/4	496.61	3/4	207.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,463.27	3	1,133.72	3	805.29	3	490.26	3	201.51	3	3	3	3	3	3	3	3	3	3
1/4	1,456.39	1/4	1,126.84	1/4	798.52	1/4	483.91	1/4	195.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,449.51	1/2	1,119.96	1/2	791.78	1/2	477.61	1/2	189.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,442.62	3/4	1,113.07	3/4	785.04	3/4	471.30	3/4	184.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,435.74	4	1,106.19	4	778.30	4	464.99	4	178.20	4	4	4	4	4	4	4	4	4	4
1/4	1,428.86	1/4	1,099.31	1/4	771.56	1/4	458.69	1/4	172.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,421.98	1/2	1,092.43	1/2	764.85	1/2	452.42	1/2	166.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,415.09	3/4	1,085.56	3/4	758.14	3/4	446.15	3/4	160.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,408.21	5	1,078.68	5	751.43	5	439.89	5	154.96	5	5	5	5	5	5	5	5	5	5
1/4	1,401.33	1/4	1,071.81	1/4	744.72	1/4	433.62	1/4	149.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,394.45	1/2	1,064.95	1/2	738.02	1/2	427.38	1/2	143.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,387.58	3/4	1,058.10	3/4	731.33	3/4	421.15	3/4	137.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,380.71	6	1,051.24	6	724.64	6	414.92	6	131.98	6	6	6	6	6	6	6	6	6	6
1/4	1,373.83	1/4	1,044.39	1/4	717.95	1/4	408.68	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	1,366.99	1/2	1,037.54	1/2	711.29	1/2	402.53	1/2	120.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,360.14	3/4	1,030.70	3/4	704.63	3/4	396.37	3/4	115.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,353.29	7	1,023.85	7	697.97	7	390.21	7	109.49	7	7	7	7	7	7	7	7	7	7
1/4	1,346.44	1/4	1,017.01	1/4	691.32	1/4	384.05	1/4	103.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,339.59	1/2	1,010.17	1/2	684.70	1/2	378.03	1/2	98.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,332.74	3/4	1,003.32	3/4	678.08	3/4	372.01	3/4	92.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,325.89	8	996.48	8	671.47	8	366.00	8	87.23	8	8	8	8	8	8	8	8	8	8
1/4	1,319.04	1/4	989.64	1/4	664.85	1/4	359.98	1/4	81.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,312.19	1/2	982.79	1/2	658.27	1/2	353.99	1/2	76.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,305.35	3/4	975.95	3/4	651.70	3/4	348.01	3/4	70.93	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,298.50	9	969.11	9	645.12	9	342.03	9	65.56	9	9	9	9	9	9	9	9	9	9
1/4	1,291.65	1/4	962.27	1/4	638.55	1/4	336.05	1/4	60.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,284.80	1/2	955.43	1/2	632.01	1/2	330.11	1/2	55.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,277.95	3/4	948.58	3/4	625.48	3/4	324.17	3/4	50.96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,271.10	10	941.74	10	618.94	10	318.23	10	46.34	10	10	10	10	10	10	10	10	10	10
1/4	1,264.25	1/4	934.90	1/4	612.40	1/4	312.29	1/4	41.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,257.40	1/2	928.06	1/2	605.90	1/2	306.39	1/2	38.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,250.56	3/4	921.22	3/4	599.40	3/4	300.50	3/4	34.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,243.71	11	914.37	11	592.90	11	294.60	11	31.43	11	11	11	11	11	11	11	11	11	11
1/4	1,236.86	1/4	907.53	1/4	586.39	1/4	288.70	1/4	27.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,230.00	1/2	900.69	1/2	579.93	1/2	282.84	1/2	25.40	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,223.14	3/4	893.85	3/4	573.47	3/4	276.99	3/4	22.81	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: 06/21/2024 JS
 CALCULATED: 06/21/2024 JS
 PRINTED: 06/21/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2024

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



BARGE "EMS 3057"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	5,386.07	0	5,021.77	0	4,634.36	0	4,245.44	0	3,856.53	0	3,467.61	0	3,078.70	0	2,689.78	0	2,300.60	0
1/4	1/4	5,381.10	1/4	5,013.71	1/4	4,626.25	1/4	4,237.34	1/4	3,848.42	1/4	3,459.51	1/4	3,070.59	1/4	2,681.67	1/4	2,292.50	1/4
1/2	1/2	5,376.14	1/2	5,005.64	1/2	4,618.15	1/2	4,229.24	1/2	3,840.32	1/2	3,451.41	1/2	3,062.49	1/2	2,673.56	1/2	2,284.39	1/2
3/4	3/4	5,371.17	3/4	4,997.58	3/4	4,610.05	3/4	4,221.13	3/4	3,832.22	3/4	3,443.30	3/4	3,054.39	3/4	2,665.46	3/4	2,276.28	3/4
1	1	5,366.20	1	4,989.52	1	4,601.95	1	4,213.03	1	3,824.12	1	3,435.20	1	3,046.29	1	2,657.35	1	2,268.17	1
1/4	1/4	5,359.88	1/4	4,981.45	1/4	4,593.85	1/4	4,204.93	1/4	3,816.01	1/4	3,427.10	1/4	3,038.18	1/4	2,649.24	1/4	2,260.07	1/4
1/2	1/2	5,353.56	1/2	4,973.39	1/2	4,585.74	1/2	4,196.83	1/2	3,807.91	1/2	3,419.00	1/2	3,029.08	1/2	2,641.13	1/2	2,251.96	1/2
3/4	3/4	5,347.24	3/4	4,965.32	3/4	4,577.64	3/4	4,188.73	3/4	3,799.81	3/4	3,410.89	3/4	3,021.88	3/4	2,633.02	3/4	2,243.85	3/4
2	2	5,340.92	2	4,957.26	2	4,569.54	2	4,180.62	2	3,791.71	2	3,402.79	2	3,013.88	2	2,624.92	2	2,235.74	2
1/4	1/4	5,333.42	1/4	4,949.20	1/4	4,561.44	1/4	4,172.52	1/4	3,783.61	1/4	3,394.69	1/4	3,005.77	1/4	2,616.81	1/4	2,227.63	1/4
1/2	1/2	5,325.92	1/2	4,941.13	1/2	4,553.33	1/2	4,164.42	1/2	3,775.50	1/2	3,386.59	1/2	2,997.67	1/2	2,608.70	1/2	2,219.53	1/2
3/4	3/4	5,318.42	3/4	4,933.07	3/4	4,545.23	3/4	4,156.32	3/4	3,767.40	3/4	3,378.49	3/4	2,989.57	3/4	2,600.59	3/4	2,211.42	3/4
3	3	5,310.92	3	4,925.01	3	4,537.13	3	4,148.21	3	3,759.30	3	3,370.38	3	2,981.47	3	2,592.49	3	2,203.31	3
1/4	1/4	5,302.91	1/4	4,916.94	1/4	4,529.03	1/4	4,140.11	1/4	3,751.20	1/4	3,362.28	1/4	2,973.37	1/4	2,584.38	1/4	2,195.20	1/4
1/2	1/2	5,294.90	1/2	4,908.88	1/2	4,520.92	1/2	4,132.01	1/2	3,743.09	1/2	3,354.18	1/2	2,965.26	1/2	2,576.27	1/2	2,187.10	1/2
3/4	3/4	5,286.90	3/4	4,900.81	3/4	4,512.82	3/4	4,123.91	3/4	3,734.99	3/4	3,346.08	3/4	2,957.16	3/4	2,568.16	3/4	2,178.99	3/4
4	4	5,278.89	4	4,892.75	4	4,504.72	4	4,115.80	4	3,726.89	4	3,337.97	4	2,949.06	4	2,560.05	4	2,170.88	4
1/4	1/4	5,270.89	1/4	4,884.69	1/4	4,496.62	1/4	4,107.70	1/4	3,718.79	1/4	3,329.87	1/4	2,940.96	1/4	2,551.95	1/4	2,162.77	1/4
1/2	1/2	5,262.89	1/2	4,876.62	1/2	4,488.51	1/2	4,099.60	1/2	3,710.68	1/2	3,321.77	1/2	2,932.85	1/2	2,543.84	1/2	2,154.66	1/2
3/4	3/4	5,254.88	3/4	4,868.56	3/4	4,480.41	3/4	4,091.50	3/4	3,702.58	3/4	3,313.67	3/4	2,924.75	3/4	2,535.73	3/4	2,146.56	3/4
5	5	5,246.88	5	4,860.49	5	4,472.31	5	4,083.39	5	3,694.48	5	3,305.56	5	2,916.65	5	2,527.62	5	2,138.45	5
1/4	1/4	5,238.88	1/4	4,852.43	1/4	4,464.21	1/4	4,075.29	1/4	3,686.38	1/4	3,297.46	1/4	2,908.55	1/4	2,519.51	1/4	2,130.34	1/4
1/2	1/2	5,230.88	1/2	4,844.37	1/2	4,456.10	1/2	4,067.19	1/2	3,678.27	1/2	3,289.36	1/2	2,900.44	1/2	2,511.41	1/2	2,122.23	1/2
3/4	3/4	5,222.88	3/4	4,836.30	3/4	4,448.00	3/4	4,059.09	3/4	3,670.17	3/4	3,281.26	3/4	2,892.34	3/4	2,503.30	3/4	2,114.12	3/4
6	6	5,214.87	6	4,828.24	6	4,439.90	6	4,050.98	6	3,662.07	6	3,273.15	6	2,884.24	6	2,495.19	6	2,106.02	6
1/4	1/4	5,206.87	1/4	4,820.18	1/4	4,431.80	1/4	4,042.88	1/4	3,653.97	1/4	3,265.05	1/4	2,876.14	1/4	2,487.08	1/4	2,097.91	1/4
1/2	1/2	5,198.87	1/2	4,812.11	1/2	4,423.69	1/2	4,034.78	1/2	3,645.86	1/2	3,256.95	1/2	2,868.03	1/2	2,478.98	1/2	2,089.80	1/2
3/4	3/4	5,190.87	3/4	4,804.05	3/4	4,415.59	3/4	4,026.68	3/4	3,637.76	3/4	3,248.85	3/4	2,859.93	3/4	2,470.87	3/4	2,081.69	3/4
7	7	5,182.86	7	4,795.98	7	4,407.49	7	4,018.57	7	3,629.66	7	3,240.74	7	2,851.83	7	2,462.76	7	2,073.59	7
1/4	1/4	5,174.85	1/4	4,787.92	1/4	4,399.39	1/4	4,010.47	1/4	3,621.56	1/4	3,232.64	1/4	2,843.73	1/4	2,454.65	1/4	2,065.48	1/4
1/2	1/2	5,166.83	1/2	4,779.86	1/2	4,391.29	1/2	4,002.37	1/2	3,613.45	1/2	3,224.54	1/2	2,835.62	1/2	2,446.54	1/2	2,057.37	1/2
3/4	3/4	5,158.83	3/4	4,771.79	3/4	4,383.18	3/4	3,994.27	3/4	3,605.35	3/4	3,216.44	3/4	2,827.52	3/4	2,438.44	3/4	2,049.26	3/4
8	8	5,150.79	8	4,763.73	8	4,375.08	8	3,986.17	8	3,597.25	8	3,208.33	8	2,819.42	8	2,430.33	8	2,041.15	8
1/4	1/4	5,142.73	1/4	4,755.67	1/4	4,366.98	1/4	3,978.06	1/4	3,589.15	1/4	3,200.23	1/4	2,811.32	1/4	2,422.22	1/4	2,033.05	1/4
1/2	1/2	5,134.66	1/2	4,747.60	1/2	4,358.88	1/2	3,969.96	1/2	3,581.05	1/2	3,192.13	1/2	2,803.21	1/2	2,414.11	1/2	2,024.94	1/2
3/4	3/4	5,126.60	3/4	4,739.54	3/4	4,350.77	3/4	3,961.86	3/4	3,572.94	3/4	3,184.03	3/4	2,795.11	3/4	2,406.01	3/4	2,016.83	3/4
9	9	5,118.54	9	4,731.47	9	4,342.67	9	3,953.76	9	3,564.84	9	3,175.93	9	2,787.01	9	2,397.90	9	2,008.72	9
1/4	1/4	5,110.47	1/4	4,723.40	1/4	4,334.57	1/4	3,945.65	1/4	3,556.74	1/4	3,167.82	1/4	2,778.91	1/4	2,389.79	1/4	2,000.62	1/4
1/2	1/2	5,102.41	1/2	4,715.33	1/2	4,326.47	1/2	3,937.55	1/2	3,548.64	1/2	3,159.72	1/2	2,770.81	1/2	2,381.68	1/2	1,992.51	1/2
3/4	3/4	5,094.35	3/4	4,707.25	3/4	4,318.36	3/4	3,929.45	3/4	3,540.53	3/4	3,151.62	3/4	2,762.70	3/4	2,373.57	3/4	1,984.40	3/4
10	10	5,086.28	10	4,699.18	10	4,310.26	10	3,921.35	10	3,532.43	10	3,143.52	10	2,754.60	10	2,365.47	10	1,976.29	10
1/4	1/4	5,078.22	1/4	4,691.10	1/4	4,302.16	1/4	3,913.24	1/4	3,524.33	1/4	3,135.41	1/4	2,746.50	1/4	2,357.36	1/4	1,968.18	1/4
1/2	1/2	5,070.15	1/2	4,682.97	1/2	4,294.06	1/2	3,905.14	1/2	3,516.23	1/2	3,127.31	1/2	2,738.40	1/2	2,349.25	1/2	1,960.08	1/2
3/4	3/4	5,062.09	3/4	4,674.87	3/4	4,285.95	3/4	3,897.04	3/4	3,508.12	3/4	3,119.21	3/4	2,730.29	3/4	2,341.14	3/4	1,951.97	3/4
11	11	5,054.03	11	4,666.77	11	4,277.85	11	3,888.94	11	3,500.02	11	3,111.11	11	2,722.19	11	2,333.04	11	1,943.86	11
1/4	1/4	5,045.96	1/4	4,658.66	1/4	4,269.75	1/4	3,880.83	1/4	3,491.92	1/4	3,103.00	1/4	2,714.09	1/4	2,324.93	1/4	1,935.75	1/4
1/2	1/2	5,037.90	1/2	4,650.56	1/2	4,261.65	1/2	3,872.73	1/2	3,483.82	1/2	3,094.90	1/2	2,705.98	1/2	2,316.82	1/2	1,927.65	1/2
3/4	3/4	5,029.83	3/4	4,642.46	3/4	4,253.54	3/4	3,864.63	3/4	3,475.71	3/4	3,086.80	3/4	2,697.88	3/4	2,308.71	3/4	1,919.54	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 48'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 3057"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2
0	1,911.43	0	1,526.75	0	1,144.65	0	760.16	0	374.53	0	0	0	0	0	0	0	0	0	0
1/4	1,903.32	1/4	1,518.64	1/4	1,136.79	1/4	752.05	1/4	366.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,895.21	1/2	1,510.53	1/2	1,128.92	1/2	743.95	1/2	358.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,887.11	3/4	1,502.42	3/4	1,121.06	3/4	735.84	3/4	350.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,879.00	1	1,494.31	1	1,113.20	1	727.73	1	342.77	1	1	1	1	1	1	1	1	1	1
1 1/4	1,870.89	1 1/4	1,486.21	1 1/4	1,105.34	1 1/4	719.63	1 1/4	334.83	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,862.78	1 1/2	1,478.10	1 1/2	1,097.48	1 1/2	711.52	1 1/2	326.89	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,854.68	3/4	1,469.99	3/4	1,089.62	3/4	703.42	3/4	318.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,846.57	2	1,461.88	2	1,081.76	2	695.31	2	311.01	2	2	2	2	2	2	2	2	2	2
1 1/4	1,838.46	1 1/4	1,453.78	1 1/4	1,073.89	1 1/4	687.21	1 1/4	303.04	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,830.35	1 1/2	1,445.67	1 1/2	1,066.03	1 1/2	679.10	1 1/2	295.06	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,822.24	3/4	1,437.56	3/4	1,058.16	3/4	671.00	3/4	287.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,814.14	3	1,429.45	3	1,050.30	3	662.89	3	279.10	3	3	3	3	3	3	3	3	3	3
1 1/4	1,806.03	1 1/4	1,421.35	1 1/4	1,042.43	1 1/4	654.79	1 1/4	271.01	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,797.92	1 1/2	1,413.24	1 1/2	1,034.57	1 1/2	646.68	1 1/2	262.92	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,789.81	3/4	1,405.13	3/4	1,026.70	3/4	638.57	3/4	254.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,781.71	4	1,397.02	4	1,018.84	4	630.47	4	246.73	4	4	4	4	4	4	4	4	4	4
1 1/4	1,773.60	1 1/4	1,388.97	1 1/4	1,010.90	1 1/4	622.36	1 1/4	238.64	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,765.49	1 1/2	1,380.92	1 1/2	1,002.97	1 1/2	614.26	1 1/2	230.54	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,757.38	3/4	1,372.87	3/4	995.04	3/4	606.15	3/4	222.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,749.27	5	1,364.82	5	987.11	5	598.05	5	214.36	5	5	5	5	5	5	5	5	5	5
1 1/4	1,741.21	1 1/4	1,356.95	1 1/4	979.00	1 1/4	589.94	1 1/4	206.30	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,733.15	1 1/2	1,349.08	1 1/2	970.90	1 1/2	581.84	1 1/2	198.25	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,725.09	3/4	1,341.20	3/4	962.79	3/4	573.73	3/4	190.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,717.03	6	1,333.33	6	954.69	6	565.63	6	182.14	6	6	6	6	6	6	6	6	6	6
1 1/4	1,709.11	1 1/4	1,325.46	1 1/4	946.58	1 1/4	557.56	1 1/4	174.20	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,701.19	1 1/2	1,317.60	1 1/2	938.47	1 1/2	549.50	1 1/2	166.26	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,693.27	3/4	1,309.74	3/4	930.37	3/4	541.43	3/4	158.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,685.35	7	1,301.87	7	922.26	7	533.36	7	150.38	7	7	7	7	7	7	7	7	7	7
1 1/4	1,677.43	1 1/4	1,294.01	1 1/4	914.16	1 1/4	525.42	1 1/4	142.44	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,669.51	1 1/2	1,286.15	1 1/2	906.05	1 1/2	517.47	1 1/2	134.50	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,661.58	3/4	1,278.28	3/4	897.95	3/4	509.53	3/4	126.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,653.66	8	1,270.42	8	889.84	8	501.58	8	118.62	8	8	8	8	8	8	8	8	8	8
1 1/4	1,645.74	1 1/4	1,262.56	1 1/4	881.74	1 1/4	493.64	1 1/4	110.85	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,637.82	1 1/2	1,254.70	1 1/2	873.63	1 1/2	485.69	1 1/2	103.08	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,629.90	3/4	1,246.84	3/4	865.53	3/4	477.75	3/4	95.31	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,621.98	9	1,238.98	9	857.42	9	469.80	9	87.54	9	9	9	9	9	9	9	9	9	9
1 1/4	1,614.06	1 1/4	1,231.12	1 1/4	849.32	1 1/4	461.86	1 1/4	80.61	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,606.14	1 1/2	1,223.26	1 1/2	841.21	1 1/2	453.92	1 1/2	73.69	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,598.22	3/4	1,215.39	3/4	833.10	3/4	445.99	3/4	66.76	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,590.30	10	1,207.53	10	825.00	10	438.05	10	59.84	10	10	10	10	10	10	10	10	10	10
1 1/4	1,582.38	1 1/4	1,199.67	1 1/4	816.89	1 1/4	430.11	1 1/4	54.26	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,574.46	1 1/2	1,191.81	1 1/2	808.79	1 1/2	422.17	1 1/2	48.69	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,566.54	3/4	1,183.95	3/4	800.68	3/4	414.23	3/4	43.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,558.62	11	1,176.09	11	792.58	11	406.29	11	37.54	11	11	11	11	11	11	11	11	11	11
1 1/4	1,550.65	1 1/4	1,168.23	1 1/4	784.47	1 1/4	398.35	1 1/4	33.31	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1,542.68	1 1/2	1,160.37	1 1/2	776.37	1 1/2	390.41	1 1/2	29.08	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	1,534.71	3/4	1,152.51	3/4	768.26	3/4	382.47	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: 06/21/2024 JS
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BARGE "EMS 3057"

2 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	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	5,374.18	0	5,010.46	0	4,623.64	0	4,235.33	0	3,847.02	0	3,458.71	0	3,070.40	0	2,682.07	0	2,293.51	0
1/4	1/4	5,369.22	1/4	5,002.40	1/4	4,615.55	1/4	4,227.24	1/4	3,838.93	1/4	3,450.62	1/4	3,062.31	1/4	2,673.98	1/4	2,285.41	1/4
1/2	1/2	5,364.26	1/2	4,994.35	1/2	4,607.46	1/2	4,219.15	1/2	3,830.84	1/2	3,442.53	1/2	3,054.22	1/2	2,665.88	1/2	2,277.32	1/2
3/4	3/4	5,359.30	3/4	4,986.30	3/4	4,599.37	3/4	4,211.06	3/4	3,822.75	3/4	3,434.44	3/4	3,046.13	3/4	2,657.79	3/4	2,269.22	3/4
1	1	5,354.34	1	4,978.25	1	4,591.28	1	4,202.97	1	3,814.66	1	3,426.35	1	3,038.04	1	2,649.69	1	2,261.13	1
1/4	1/4	5,348.03	1/4	4,970.20	1/4	4,583.19	1/4	4,194.88	1/4	3,806.57	1/4	3,418.26	1/4	3,029.95	1/4	2,641.60	1/4	2,253.03	1/4
1/2	1/2	5,341.72	1/2	4,962.15	1/2	4,575.10	1/2	4,186.79	1/2	3,798.48	1/2	3,410.17	1/2	3,021.86	1/2	2,633.50	1/2	2,244.94	1/2
3/4	3/4	5,335.42	3/4	4,954.10	3/4	4,567.01	3/4	4,178.70	3/4	3,790.39	3/4	3,402.08	3/4	3,013.77	3/4	2,625.41	3/4	2,236.84	3/4
2	2	5,329.11	2	4,946.04	2	4,558.92	2	4,170.61	2	3,782.30	2	3,393.99	2	3,005.68	2	2,617.31	2	2,228.75	2
1/4	1/4	5,321.62	1/4	4,937.99	1/4	4,550.83	1/4	4,162.52	1/4	3,774.21	1/4	3,385.90	1/4	2,997.59	1/4	2,609.22	1/4	2,220.65	1/4
1/2	1/2	5,314.13	1/2	4,929.94	1/2	4,542.74	1/2	4,154.43	1/2	3,766.12	1/2	3,377.81	1/2	2,989.50	1/2	2,601.12	1/2	2,212.56	1/2
3/4	3/4	5,306.64	3/4	4,921.89	3/4	4,534.65	3/4	4,146.34	3/4	3,758.03	3/4	3,369.72	3/4	2,981.41	3/4	2,593.03	3/4	2,204.46	3/4
3	3	5,299.15	3	4,913.84	3	4,526.56	3	4,138.25	3	3,749.94	3	3,361.63	3	2,973.32	3	2,584.93	3	2,196.37	3
1/4	1/4	5,291.16	1/4	4,905.79	1/4	4,518.47	1/4	4,130.16	1/4	3,741.85	1/4	3,353.54	1/4	2,965.23	1/4	2,576.84	1/4	2,188.27	1/4
1/2	1/2	5,283.16	1/2	4,897.74	1/2	4,510.38	1/2	4,122.07	1/2	3,733.76	1/2	3,345.45	1/2	2,957.14	1/2	2,568.74	1/2	2,180.18	1/2
3/4	3/4	5,275.17	3/4	4,889.69	3/4	4,502.29	3/4	4,113.98	3/4	3,725.67	3/4	3,337.36	3/4	2,949.05	3/4	2,560.65	3/4	2,172.08	3/4
4	4	5,267.18	4	4,881.63	4	4,494.20	4	4,105.89	4	3,717.58	4	3,329.27	4	2,940.96	4	2,552.55	4	2,163.99	4
1/4	1/4	5,259.19	1/4	4,873.58	1/4	4,486.11	1/4	4,097.80	1/4	3,709.49	1/4	3,321.18	1/4	2,932.87	1/4	2,544.46	1/4	2,155.89	1/4
1/2	1/2	5,251.20	1/2	4,865.53	1/2	4,478.02	1/2	4,089.71	1/2	3,701.40	1/2	3,313.09	1/2	2,924.78	1/2	2,536.36	1/2	2,147.80	1/2
3/4	3/4	5,243.21	3/4	4,857.48	3/4	4,469.94	3/4	4,081.62	3/4	3,693.31	3/4	3,305.00	3/4	2,916.69	3/4	2,528.27	3/4	2,139.70	3/4
5	5	5,235.22	5	4,849.43	5	4,461.85	5	4,073.53	5	3,685.22	5	3,296.91	5	2,908.60	5	2,520.17	5	2,131.61	5
1/4	1/4	5,227.23	1/4	4,841.38	1/4	4,453.76	1/4	4,065.45	1/4	3,677.13	1/4	3,288.82	1/4	2,900.51	1/4	2,512.08	1/4	2,123.51	1/4
1/2	1/2	5,219.24	1/2	4,833.33	1/2	4,445.67	1/2	4,057.36	1/2	3,669.04	1/2	3,280.73	1/2	2,892.42	1/2	2,503.98	1/2	2,115.42	1/2
3/4	3/4	5,211.25	3/4	4,825.28	3/4	4,437.58	3/4	4,049.27	3/4	3,660.96	3/4	3,272.64	3/4	2,884.33	3/4	2,495.89	3/4	2,107.32	3/4
6	6	5,203.26	6	4,817.22	6	4,429.49	6	4,041.18	6	3,652.87	6	3,264.55	6	2,876.24	6	2,487.79	6	2,099.23	6
1/4	1/4	5,195.27	1/4	4,809.17	1/4	4,421.40	1/4	4,033.09	1/4	3,644.78	1/4	3,256.47	1/4	2,868.15	1/4	2,479.69	1/4	2,091.13	1/4
1/2	1/2	5,187.28	1/2	4,801.12	1/2	4,413.31	1/2	4,025.00	1/2	3,636.69	1/2	3,248.38	1/2	2,860.06	1/2	2,471.60	1/2	2,083.03	1/2
3/4	3/4	5,179.29	3/4	4,793.07	3/4	4,405.22	3/4	4,016.91	3/4	3,628.60	3/4	3,240.29	3/4	2,851.97	3/4	2,463.50	3/4	2,074.94	3/4
7	7	5,171.30	7	4,785.02	7	4,397.13	7	4,008.82	7	3,620.51	7	3,232.20	7	2,843.89	7	2,455.41	7	2,066.84	7
1/4	1/4	5,163.29	1/4	4,776.97	1/4	4,389.04	1/4	4,000.73	1/4	3,612.42	1/4	3,224.11	1/4	2,835.80	1/4	2,447.31	1/4	2,058.75	1/4
1/2	1/2	5,155.29	1/2	4,768.92	1/2	4,380.95	1/2	3,992.64	1/2	3,604.33	1/2	3,216.02	1/2	2,827.71	1/2	2,439.22	1/2	2,050.65	1/2
3/4	3/4	5,147.28	3/4	4,760.86	3/4	4,372.86	3/4	3,984.55	3/4	3,596.24	3/4	3,207.93	3/4	2,819.62	3/4	2,431.12	3/4	2,042.56	3/4
8	8	5,139.28	8	4,752.81	8	4,364.77	8	3,976.46	8	3,588.15	8	3,199.84	8	2,811.53	8	2,423.03	8	2,034.46	8
1/4	1/4	5,131.22	1/4	4,744.76	1/4	4,356.68	1/4	3,968.37	1/4	3,191.75	1/4	3,191.75	1/4	2,803.44	1/4	2,414.93	1/4	2,026.37	1/4
1/2	1/2	5,123.17	1/2	4,736.71	1/2	4,348.59	1/2	3,960.28	1/2	3,183.66	1/2	3,183.66	1/2	2,795.35	1/2	2,406.84	1/2	2,018.27	1/2
3/4	3/4	5,115.12	3/4	4,728.66	3/4	4,340.50	3/4	3,952.19	3/4	3,175.57	3/4	3,175.57	3/4	2,787.26	3/4	2,398.74	3/4	2,010.18	3/4
9	9	5,107.07	9	4,720.61	9	4,332.41	9	3,944.10	9	3,167.48	9	3,167.48	9	2,779.17	9	2,390.65	9	2,002.08	9
1/4	1/4	5,099.02	1/4	4,712.55	1/4	4,324.32	1/4	3,936.01	1/4	3,159.39	1/4	3,159.39	1/4	2,771.08	1/4	2,382.55	1/4	1,993.99	1/4
1/2	1/2	5,090.97	1/2	4,704.48	1/2	4,316.23	1/2	3,927.92	1/2	3,151.30	1/2	3,151.30	1/2	2,762.99	1/2	2,374.46	1/2	1,985.89	1/2
3/4	3/4	5,082.92	3/4	4,696.42	3/4	4,308.14	3/4	3,919.83	3/4	3,143.21	3/4	3,143.21	3/4	2,754.90	3/4	2,366.36	3/4	1,977.80	3/4
10	10	5,074.87	10	4,688.36	10	4,300.05	10	3,911.74	10	3,135.12	10	3,135.12	10	2,746.81	10	2,358.27	10	1,969.70	10
1/4	1/4	5,066.81	1/4	4,680.27	1/4	4,291.96	1/4	3,903.65	1/4	3,123.03	1/4	3,123.03	1/4	2,738.72	1/4	2,350.17	1/4	1,961.61	1/4
1/2	1/2	5,058.76	1/2	4,672.18	1/2	4,283.87	1/2	3,895.56	1/2	3,115.94	1/2	3,115.94	1/2	2,730.63	1/2	2,342.08	1/2	1,953.51	1/2
3/4	3/4	5,050.71	3/4	4,664.09	3/4	4,275.78	3/4	3,887.47	3/4	3,107.85	3/4	3,107.85	3/4	2,722.54	3/4	2,333.98	3/4	1,945.42	3/4
11	11	5,042.66	11	4,656.00	11	4,267.69	11	3,879.38	11	3,102.76	11	3,102.76	11	2,714.45	11	2,325.89	11	1,937.32	11
1/4	1/4	5,034.61	1/4	4,647.91	1/4	4,259.60	1/4	3,871.29	1/4	3,094.67	1/4	3,094.67	1/4	2,706.35	1/4	2,317.79	1/4	1,929.23	1/4
1/2	1/2	5,026.56	1/2	4,639.82	1/2	4,251.51	1/2	3,863.20	1/2	3,086.58	1/2	3,086.58	1/2	2,698.26	1/2	2,309.70	1/2	1,921.13	1/2
3/4	3/4	5,018.51	3/4	4,631.73	3/4	4,243.42	3/4	3,855.11	3/4	3,078.49	3/4	3,078.49	3/4	2,690.17	3/4	2,301.60	3/4	1,913.04	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 48'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 3057"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,904.94	0	1,516.38	0	1,139.70	0	758.97	0	373.94	0	0	0	0	0	0	0	0	0	0
1/4	1,896.85	1/4	1,508.28	1/4	1,132.01	1/4	750.87	1/4	366.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,888.75	1/2	1,500.19	1/2	1,124.33	1/2	742.78	1/2	358.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,880.66	3/4	1,492.09	3/4	1,116.85	3/4	734.69	3/4	350.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,872.56	1	1,484.00	1	1,108.97	1	726.59	1	342.23	1	1	1	1	1	1	1	1	1	1
1/4	1,864.47	1/4	1,475.90	1/4	1,101.28	1/4	718.50	1/4	334.30	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,856.37	1/2	1,467.81	1/2	1,093.60	1/2	710.41	1/2	326.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,848.28	3/4	1,459.71	3/4	1,085.92	3/4	702.32	3/4	318.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,840.18	2	1,451.62	2	1,078.24	2	694.22	2	310.52	2	2	2	2	2	2	2	2	2	2
1/4	1,832.09	1/4	1,443.52	1/4	1,070.55	1/4	686.13	1/4	302.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,823.99	1/2	1,435.43	1/2	1,062.86	1/2	678.04	1/2	294.59	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,815.90	3/4	1,427.33	3/4	1,055.18	3/4	669.94	3/4	286.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,807.80	3	1,419.24	3	1,047.49	3	661.85	3	278.66	3	3	3	3	3	3	3	3	3	3
1/4	1,799.71	1/4	1,411.14	1/4	1,039.81	1/4	653.76	1/4	270.58	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,791.61	1/2	1,403.05	1/2	1,032.12	1/2	645.67	1/2	262.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,783.52	3/4	1,394.95	3/4	1,024.43	3/4	637.57	3/4	254.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,775.42	4	1,386.86	4	1,016.74	4	629.48	4	246.34	4	4	4	4	4	4	4	4	4	4
1/4	1,767.33	1/4	1,378.86	1/4	1,008.95	1/4	621.39	1/4	238.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,759.23	1/2	1,370.86	1/2	1,001.16	1/2	613.29	1/2	230.18	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,751.14	3/4	1,362.87	3/4	993.36	3/4	605.20	3/4	222.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,743.04	5	1,354.87	5	985.57	5	597.11	5	214.02	5	5	5	5	5	5	5	5	5	5
1/4	1,734.95	1/4	1,347.18	1/4	977.47	1/4	589.02	1/4	205.97	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,726.85	1/2	1,339.48	1/2	969.38	1/2	580.92	1/2	197.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,718.76	3/4	1,331.79	3/4	961.29	3/4	572.83	3/4	189.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,710.66	6	1,324.09	6	953.20	6	564.74	6	181.85	6	6	6	6	6	6	6	6	6	6
1/4	1,702.57	1/4	1,316.41	1/4	945.10	1/4	556.68	1/4	173.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,694.47	1/2	1,308.72	1/2	937.01	1/2	548.63	1/2	165.99	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,686.38	3/4	1,301.04	3/4	928.92	3/4	540.58	3/4	158.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,678.28	7	1,293.35	7	920.82	7	532.53	7	150.14	7	7	7	7	7	7	7	7	7	7
1/4	1,670.18	1/4	1,285.67	1/4	912.73	1/4	524.59	1/4	142.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,662.09	1/2	1,277.98	1/2	904.64	1/2	516.66	1/2	134.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,653.99	3/4	1,270.30	3/4	896.55	3/4	508.73	3/4	126.36	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,645.90	8	1,262.62	8	888.45	8	500.79	8	118.43	8	8	8	8	8	8	8	8	8	8
1/4	1,637.80	1/4	1,254.93	1/4	880.36	1/4	492.86	1/4	110.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,629.71	1/2	1,247.25	1/2	872.27	1/2	484.93	1/2	102.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,621.61	3/4	1,239.57	3/4	864.17	3/4	477.00	3/4	95.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,613.52	9	1,231.89	9	856.08	9	469.07	9	87.40	9	9	9	9	9	9	9	9	9	9
1/4	1,605.42	1/4	1,224.20	1/4	847.99	1/4	461.14	1/4	80.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,597.33	1/2	1,216.52	1/2	839.90	1/2	453.21	1/2	73.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,589.23	3/4	1,208.84	3/4	831.80	3/4	445.28	3/4	66.65	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,581.14	10	1,201.16	10	823.71	10	437.36	10	59.73	10	10	10	10	10	10	10	10	10	10
1/4	1,573.04	1/4	1,193.47	1/4	815.62	1/4	429.43	1/4	54.17	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,564.95	1/2	1,185.79	1/2	807.52	1/2	421.50	1/2	48.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,556.85	3/4	1,178.11	3/4	799.43	3/4	413.58	3/4	43.04	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,548.76	11	1,170.43	11	791.34	11	405.65	11	37.47	11	11	11	11	11	11	11	11	11	11
1/4	1,540.66	1/4	1,162.74	1/4	783.25	1/4	397.72	1/4	33.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,532.57	1/2	1,155.06	1/2	775.15	1/2	389.79	1/2	29.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,524.47	3/4	1,147.38	3/4	767.06	3/4	381.87	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: 06/21/2024 JS
 CALCULATED: 06/21/2024 JS
 PRINTED: 06/21/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2024

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



BARGE "EMS 3057"

3 PORT 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	4,226.10	0	4,057.95	0	3,872.09	0	3,685.58	0	3,499.07	0	3,313.62	0	2,856.01	0	2,496.47	0	2,136.28	0
1/4	1/4	4,225.09	1/4	4,054.08	1/4	3,868.21	1/4	3,681.69	1/4	3,495.18	1/4	3,316.08	1/4	2,848.53	1/4	2,488.96	1/4	2,128.78	1/4
1/2	1/2	4,224.07	1/2	4,050.21	1/2	3,864.32	1/2	3,677.81	1/2	3,491.30	1/2	3,318.54	1/2	2,841.05	1/2	2,481.45	1/2	2,121.28	1/2
3/4	3/4	4,223.06	3/4	4,046.34	3/4	3,860.44	3/4	3,673.92	3/4	3,487.41	3/4	3,315.01	3/4	2,833.57	3/4	2,473.94	3/4	2,113.78	3/4
1	1	4,220.79	1	4,042.47	1	3,856.55	1	3,670.04	1	3,483.52	1	3,313.29	1	2,826.09	1	2,466.43	1	2,106.28	1
1/4	1/4	4,218.52	1/4	4,038.61	1/4	3,852.67	1/4	3,666.15	1/4	3,479.64	1/4	3,335.91	1/4	2,818.61	1/4	2,458.92	1/4	2,098.78	1/4
1/2	1/2	4,216.26	1/2	4,034.74	1/2	3,848.78	1/2	3,662.21	1/2	3,475.75	1/2	3,328.37	1/2	2,811.13	1/2	2,451.41	1/2	2,091.28	1/2
3/4	3/4	4,213.99	3/4	4,030.87	3/4	3,844.89	3/4	3,658.38	3/4	3,471.87	3/4	3,320.83	3/4	2,803.65	3/4	2,443.90	3/4	2,083.77	3/4
2	2	4,210.62	2	4,027.00	2	3,841.01	2	3,654.49	2	3,467.98	2	3,313.29	2	2,796.17	2	2,436.39	2	2,076.27	2
1/4	1/4	4,207.25	1/4	4,023.13	1/4	3,837.12	1/4	3,650.61	1/4	3,464.10	1/4	3,305.75	1/4	2,788.69	1/4	2,428.88	1/4	2,068.77	1/4
1/2	1/2	4,203.88	1/2	4,019.26	1/2	3,833.24	1/2	3,646.72	1/2	3,460.21	1/2	3,098.20	1/2	2,781.21	1/2	2,421.37	1/2	2,061.27	1/2
3/4	3/4	4,200.51	3/4	4,015.40	3/4	3,829.35	3/4	3,642.84	3/4	3,452.67	3/4	3,090.66	3/4	2,773.73	3/4	2,413.86	3/4	2,053.77	3/4
3	3	4,196.67	3	4,011.53	3	3,825.47	3	3,638.95	3	3,445.13	3	3,083.12	3	2,766.25	3	2,406.35	3	2,046.27	3
1/4	1/4	4,192.82	1/4	4,007.66	1/4	3,821.58	1/4	3,635.07	1/4	3,437.58	1/4	3,075.58	1/4	2,758.77	1/4	2,398.84	1/4	2,038.77	1/4
1/2	1/2	4,188.98	1/2	4,003.79	1/2	3,817.69	1/2	3,631.18	1/2	3,430.04	1/2	3,068.04	1/2	2,751.29	1/2	2,391.33	1/2	2,031.27	1/2
3/4	3/4	4,185.14	3/4	3,999.92	3/4	3,813.81	3/4	3,627.29	3/4	3,422.50	3/4	3,060.49	3/4	2,743.81	3/4	2,383.82	3/4	2,023.77	3/4
4	4	4,181.31	4	3,996.06	4	3,809.92	4	3,623.41	4	3,414.96	4	3,052.95	4	2,736.33	4	2,376.31	4	2,016.27	4
1/4	1/4	4,177.47	1/4	3,992.19	1/4	3,806.04	1/4	3,619.52	1/4	3,407.42	1/4	3,045.41	1/4	2,728.85	1/4	2,368.80	1/4	2,008.76	1/4
1/2	1/2	4,173.63	1/2	3,988.32	1/2	3,802.15	1/2	3,615.64	1/2	3,399.88	1/2	3,037.87	1/2	2,721.37	1/2	2,361.29	1/2	2,001.25	1/2
3/4	3/4	4,169.79	3/4	3,984.45	3/4	3,798.27	3/4	3,611.75	3/4	3,392.33	3/4	3,030.33	3/4	2,713.89	3/4	2,353.79	3/4	1,993.75	3/4
5	5	4,165.95	5	3,980.58	5	3,794.38	5	3,607.87	5	3,384.79	5	3,022.79	5	2,706.41	5	2,346.29	5	1,986.22	5
1/4	1/4	4,162.11	1/4	3,976.72	1/4	3,790.49	1/4	3,603.95	1/4	3,377.25	1/4	3,015.24	1/4	2,698.93	1/4	2,338.78	1/4	1,978.70	1/4
1/2	1/2	4,158.27	1/2	3,972.85	1/2	3,786.61	1/2	3,600.09	1/2	3,369.71	1/2	3,007.70	1/2	2,691.45	1/2	2,331.28	1/2	1,971.17	1/2
3/4	3/4	4,154.44	3/4	3,968.98	3/4	3,782.72	3/4	3,596.21	3/4	3,362.17	3/4	3,000.16	3/4	2,683.97	3/4	2,323.78	3/4	1,963.64	3/4
6	6	4,150.60	6	3,965.11	6	3,778.84	6	3,592.32	6	3,354.62	6	2,992.62	6	2,676.49	6	2,316.28	6	1,956.12	6
1/4	1/4	4,146.76	1/4	3,961.24	1/4	3,774.95	1/4	3,588.44	1/4	3,347.08	1/4	2,985.08	1/4	2,668.01	1/4	2,308.78	1/4	1,948.60	1/4
1/2	1/2	4,142.92	1/2	3,957.37	1/2	3,771.07	1/2	3,584.55	1/2	3,339.54	1/2	2,977.53	1/2	2,661.53	1/2	2,301.28	1/2	1,941.08	1/2
3/4	3/4	4,139.08	3/4	3,953.51	3/4	3,767.18	3/4	3,580.67	3/4	3,332.00	3/4	2,969.99	3/4	2,654.05	3/4	2,293.78	3/4	1,933.55	3/4
7	7	4,135.24	7	3,949.64	7	3,763.29	7	3,576.78	7	3,324.46	7	2,962.45	7	2,646.57	7	2,286.28	7	1,926.04	7
1/4	1/4	4,131.39	1/4	3,945.77	1/4	3,759.41	1/4	3,572.90	1/4	3,316.92	1/4	2,954.91	1/4	2,639.08	1/4	2,278.78	1/4	1,918.52	1/4
1/2	1/2	4,127.55	1/2	3,941.90	1/2	3,755.52	1/2	3,569.01	1/2	3,309.37	1/2	2,947.37	1/2	2,631.59	1/2	2,271.28	1/2	1,911.00	1/2
3/4	3/4	4,123.70	3/4	3,938.03	3/4	3,751.64	3/4	3,565.12	3/4	3,301.83	3/4	2,939.83	3/4	2,624.11	3/4	2,263.78	3/4	1,903.49	3/4
8	8	4,119.84	8	3,934.17	8	3,747.75	8	3,561.24	8	3,294.29	8	2,932.28	8	2,616.60	8	2,256.28	8	1,895.97	8
1/4	1/4	4,115.97	1/4	3,930.30	1/4	3,743.87	1/4	3,557.35	1/4	3,286.75	1/4	2,924.74	1/4	2,609.09	1/4	2,248.78	1/4	1,888.45	1/4
1/2	1/2	4,112.10	1/2	3,926.43	1/2	3,739.98	1/2	3,553.46	1/2	3,279.21	1/2	2,917.20	1/2	2,601.58	1/2	2,241.28	1/2	1,880.93	1/2
3/4	3/4	4,108.23	3/4	3,922.56	3/4	3,736.09	3/4	3,549.58	3/4	3,271.66	3/4	2,913.31	3/4	2,594.08	3/4	2,233.78	3/4	1,873.42	3/4
9	9	4,104.36	9	3,918.69	9	3,732.21	9	3,545.70	9	3,264.12	9	2,909.44	9	2,586.57	9	2,226.28	9	1,865.90	9
1/4	1/4	4,100.49	1/4	3,914.81	1/4	3,728.32	1/4	3,541.81	1/4	3,256.58	1/4	2,905.57	1/4	2,579.06	1/4	2,218.78	1/4	1,858.38	1/4
1/2	1/2	4,096.63	1/2	3,910.94	1/2	3,724.44	1/2	3,537.92	1/2	3,249.04	1/2	2,901.69	1/2	2,571.55	1/2	2,211.28	1/2	1,850.87	1/2
3/4	3/4	4,092.76	3/4	3,907.07	3/4	3,720.55	3/4	3,534.04	3/4	3,241.50	3/4	2,897.82	3/4	2,564.04	3/4	2,203.78	3/4	1,843.35	3/4
10	10	4,088.89	10	3,903.18	10	3,716.67	10	3,530.15	10	3,233.96	10	2,893.99	10	2,556.54	10	2,196.28	10	1,835.83	10
1/4	1/4	4,085.02	1/4	3,899.29	1/4	3,712.78	1/4	3,526.27	1/4	3,226.41	1/4	2,890.15	1/4	2,549.03	1/4	2,188.78	1/4	1,828.32	1/4
1/2	1/2	4,081.15	1/2	3,895.41	1/2	3,708.89	1/2	3,522.38	1/2	3,218.87	1/2	2,886.31	1/2	2,541.52	1/2	2,181.28	1/2	1,820.80	1/2
3/4	3/4	4,077.29	3/4	3,891.52	3/4	3,705.01	3/4	3,518.50	3/4	3,211.33	3/4	2,882.48	3/4	2,534.01	3/4	2,173.78	3/4	1,813.28	3/4
11	11	4,073.42	11	3,887.64	11	3,701.12	11	3,514.61	11	3,203.79	11	2,877.73	11	2,526.51	11	2,166.28	11	1,805.77	11
1/4	1/4	4,069.55	1/4	3,883.75	1/4	3,697.24	1/4	3,510.72	1/4	3,196.25	1/4	2,872.99	1/4	2,519.00	1/4	2,158.78	1/4	1,798.25	1/4
1/2	1/2	4,065.68	1/2	3,879.87	1/2	3,693.35	1/2	3,506.84	1/2	3,188.70	1/2	2,868.24	1/2	2,511.49	1/2	2,151.28	1/2	1,790.73	1/2
3/4	3/4	4,061.81	3/4	3,875.98	3/4	3,689.47	3/4	3,502.95	3/4	3,181.16	3/4	2,863.49	3/4	2,503.98	3/4	2,143.78	3/4	1,783.22	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPIMS 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 56'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77586
<http://www.pmatcorp.net>



BARGE "EMS 3057"

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	1,775.70	0	1,418.75	0	1,059.94	0	699.57	0	341.53	0	0	0	0	0	0	0	0	0	0
1/4	1,768.18	1/4	1,411.22	1/4	1,052.49	1/4	692.05	1/4	334.16	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,760.67	1/2	1,403.69	1/2	1,045.04	1/2	684.52	1/2	326.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,753.15	3/4	1,396.16	3/4	1,037.59	3/4	676.99	3/4	319.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,745.63	1	1,388.64	1	1,030.13	1	669.46	1	312.03	1	1	1	1	1	1	1	1	1	1
1/4	1,738.12	1/4	1,381.11	1/4	1,022.68	1/4	661.94	1/4	304.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,730.60	1/2	1,373.58	1/2	1,015.23	1/2	654.41	1/2	297.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,723.08	3/4	1,366.06	3/4	1,007.78	3/4	646.88	3/4	289.90	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,715.56	2	1,358.54	2	1,000.31	2	639.35	2	282.49	2	2	2	2	2	2	2	2	2	2
1/4	1,708.04	1/4	1,351.02	1/4	992.85	1/4	631.82	1/4	275.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,700.53	1/2	1,343.50	1/2	985.38	1/2	624.30	1/2	267.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,693.01	3/4	1,335.99	3/4	977.92	3/4	616.77	3/4	260.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,685.48	3	1,328.50	3	970.42	3	609.24	3	252.74	3	3	3	3	3	3	3	3	3	3
1/4	1,677.96	1/4	1,321.01	1/4	962.92	1/4	601.71	1/4	245.22	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,670.43	1/2	1,313.52	1/2	955.42	1/2	594.19	1/2	237.70	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,662.91	3/4	1,306.03	3/4	947.93	3/4	586.66	3/4	230.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,655.38	4	1,298.55	4	940.41	4	579.13	4	222.67	4	4	4	4	4	4	4	4	4	4
1/4	1,647.86	1/4	1,291.06	1/4	932.90	1/4	571.60	1/4	215.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,640.33	1/2	1,283.58	1/2	925.39	1/2	564.07	1/2	207.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,632.81	3/4	1,276.10	3/4	917.88	3/4	556.55	3/4	200.11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,625.32	5	1,268.64	5	910.35	5	549.02	5	192.63	5	5	5	5	5	5	5	5	5	5
1/4	1,617.84	1/4	1,261.17	1/4	902.83	1/4	541.49	1/4	185.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,610.36	1/2	1,253.71	1/2	895.30	1/2	533.96	1/2	177.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,602.88	3/4	1,246.25	3/4	887.77	3/4	526.43	3/4	170.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,595.53	6	1,238.79	6	880.24	6	518.94	6	162.81	6	6	6	6	6	6	6	6	6	6
1/4	1,588.18	1/4	1,231.34	1/4	872.71	1/4	511.45	1/4	155.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,580.83	1/2	1,223.88	1/2	865.19	1/2	503.95	1/2	148.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,573.47	3/4	1,216.43	3/4	857.66	3/4	496.46	3/4	140.68	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,566.12	7	1,208.97	7	850.13	7	489.08	7	133.31	7	7	7	7	7	7	7	7	7	7
1/4	1,558.77	1/4	1,201.52	1/4	842.60	1/4	481.70	1/4	125.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,551.42	1/2	1,194.07	1/2	835.07	1/2	474.31	1/2	118.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,544.07	3/4	1,186.61	3/4	827.55	3/4	466.93	3/4	111.19	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,536.72	8	1,179.16	8	820.02	8	459.55	8	103.97	8	8	8	8	8	8	8	8	8	8
1/4	1,529.37	1/4	1,171.71	1/4	812.49	1/4	452.17	1/4	96.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,522.01	1/2	1,164.26	1/2	804.96	1/2	444.79	1/2	89.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,514.66	3/4	1,156.81	3/4	797.44	3/4	437.41	3/4	82.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,507.31	9	1,149.36	9	789.91	9	430.04	9	75.89	9	9	9	9	9	9	9	9	9	9
1/4	1,499.96	1/4	1,141.90	1/4	782.38	1/4	422.66	1/4	69.46	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,492.61	1/2	1,134.45	1/2	774.85	1/2	415.28	1/2	63.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,485.26	3/4	1,127.00	3/4	767.32	3/4	407.91	3/4	56.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,477.91	10	1,119.55	10	759.80	10	400.53	10	51.43	10	10	10	10	10	10	10	10	10	10
1/4	1,470.56	1/4	1,112.10	1/4	752.27	1/4	393.16	1/4	46.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,463.20	1/2	1,104.65	1/2	744.74	1/2	385.78	1/2	41.08	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,455.85	3/4	1,097.20	3/4	737.21	3/4	378.41	3/4	35.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,448.46	11	1,089.74	11	729.69	11	371.03	11	31.99	11	11	11	11	11	11	11	11	11	11
1/4	1,441.06	1/4	1,082.29	1/4	722.16	1/4	363.66	1/4	28.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,433.67	1/2	1,074.84	1/2	714.63	1/2	356.28	1/2	23.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,426.27	3/4	1,067.39	3/4	707.10	3/4	348.91	3/4	19.74	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: 06/21/2024 JS
 CALCULATED: 06/21/2024 JS
 PRINTED: 06/21/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2024

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pechland, Texas 77568
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BARGE "EMS 3057"

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	4,201.38	0	4,033.20	0	3,847.32	0	3,660.79	0	3,474.26	0	3,148.77	0	2,831.18	0	2,471.81	0	2,111.80	0	1,711.80
1/4	1/4	4,200.37	1/4	4,029.33	1/4	3,843.44	1/4	3,656.90	1/4	3,470.37	1/4	3,141.23	1/4	2,823.70	1/4	2,464.31	1/4	2,104.31	1/4	1,704.31
1/2	1/2	4,199.35	1/2	4,025.46	1/2	3,839.55	1/2	3,653.02	1/2	3,466.49	1/2	3,136.69	1/2	2,819.12	1/2	2,459.73	1/2	2,099.73	1/2	1,699.73
3/4	3/4	4,198.34	3/4	4,021.59	3/4	3,835.66	3/4	3,649.13	3/4	3,462.60	3/4	3,126.15	3/4	2,808.57	3/4	2,449.29	3/4	2,089.29	3/4	1,689.29
1	1	4,196.37	1	4,017.52	1	3,831.78	1	3,645.25	1	3,458.71	1	3,118.60	1	2,801.27	1	2,441.79	1	2,081.82	1	1,681.82
1/4	1/4	4,193.80	1/4	4,013.86	1/4	3,827.89	1/4	3,641.36	1/4	3,454.83	1/4	3,111.06	1/4	2,793.79	1/4	2,434.28	1/4	2,074.32	1/4	1,674.32
1/2	1/2	4,191.53	1/2	4,009.99	1/2	3,824.01	1/2	3,637.47	1/2	3,450.94	1/2	3,103.52	1/2	2,786.32	1/2	2,427.78	1/2	2,066.82	1/2	1,666.82
3/4	3/4	4,189.26	3/4	4,006.12	3/4	3,820.12	3/4	3,633.59	3/4	3,447.05	3/4	3,095.97	3/4	2,778.84	3/4	2,419.27	3/4	2,059.33	3/4	1,659.33
2	2	4,185.89	2	4,002.25	2	3,816.23	2	3,629.70	2	3,443.17	2	3,088.43	2	2,771.37	2	2,411.76	2	2,051.83	2	1,651.83
1/4	1/4	4,182.52	1/4	3,998.38	1/4	3,812.35	1/4	3,625.82	1/4	3,439.28	1/4	3,080.89	1/4	2,763.89	1/4	2,404.26	1/4	2,044.33	1/4	1,644.33
1/2	1/2	4,179.15	1/2	3,994.51	1/2	3,808.46	1/2	3,621.93	1/2	3,435.40	1/2	3,073.35	1/2	2,756.41	1/2	2,396.75	1/2	2,036.84	1/2	1,636.84
3/4	3/4	4,175.78	3/4	3,990.65	3/4	3,804.58	3/4	3,618.04	3/4	3,427.85	3/4	3,065.80	3/4	2,748.94	3/4	2,389.24	3/4	2,029.34	3/4	1,629.34
3	3	4,171.94	3	3,986.78	3	3,800.69	3	3,614.16	3	3,420.31	3	3,058.26	3	2,741.46	3	2,381.74	3	2,021.84	3	1,621.84
1/4	1/4	4,168.10	1/4	3,982.91	1/4	3,796.80	1/4	3,610.27	1/4	3,412.77	1/4	3,050.72	1/4	2,733.99	1/4	2,374.23	1/4	2,014.35	1/4	1,614.35
1/2	1/2	4,164.26	1/2	3,979.04	1/2	3,792.92	1/2	3,606.38	1/2	3,405.23	1/2	3,043.18	1/2	2,726.51	1/2	2,366.72	1/2	2,006.85	1/2	1,606.85
3/4	3/4	4,160.42	3/4	3,975.17	3/4	3,789.03	3/4	3,602.50	3/4	3,397.68	3/4	3,035.63	3/4	2,719.03	3/4	2,359.22	3/4	1,999.35	3/4	1,600.35
4	4	4,156.58	4	3,971.30	4	3,785.15	4	3,598.61	4	3,390.14	4	3,028.09	4	2,711.56	4	2,351.71	4	1,991.85	4	1,601.85
1/4	1/4	4,152.74	1/4	3,967.44	1/4	3,781.26	1/4	3,594.73	1/4	3,382.60	1/4	3,020.55	1/4	2,704.08	1/4	2,344.21	1/4	1,984.35	1/4	1,604.35
1/2	1/2	4,148.90	1/2	3,963.57	1/2	3,777.37	1/2	3,590.84	1/2	3,375.05	1/2	3,013.01	1/2	2,696.60	1/2	2,336.71	1/2	1,976.85	1/2	1,606.85
3/4	3/4	4,145.06	3/4	3,959.70	3/4	3,773.49	3/4	3,586.95	3/4	3,367.51	3/4	3,005.46	3/4	2,689.13	3/4	2,329.20	3/4	1,969.34	3/4	1,609.34
5	5	4,141.22	5	3,955.83	5	3,769.60	5	3,583.07	5	3,359.97	5	2,997.92	5	2,681.65	5	2,321.71	5	1,961.82	5	1,601.82
1/4	1/4	4,137.38	1/4	3,951.96	1/4	3,765.72	1/4	3,575.18	1/4	3,352.43	1/4	2,990.38	1/4	2,674.18	1/4	2,314.21	1/4	1,954.30	1/4	1,604.30
1/2	1/2	4,133.55	1/2	3,948.09	1/2	3,761.83	1/2	3,570.30	1/2	3,344.88	1/2	2,982.83	1/2	2,666.70	1/2	2,306.72	1/2	1,946.78	1/2	1,606.78
3/4	3/4	4,129.71	3/4	3,944.22	3/4	3,757.94	3/4	3,571.41	3/4	3,337.34	3/4	2,975.29	3/4	2,659.22	3/4	2,299.22	3/4	1,939.26	3/4	1,609.26
6	6	4,125.87	6	3,940.36	6	3,754.05	6	3,567.52	6	3,329.80	6	2,967.75	6	2,651.75	6	2,291.72	6	1,931.74	6	1,601.74
1/4	1/4	4,122.03	1/4	3,936.49	1/4	3,750.17	1/4	3,563.64	1/4	3,322.26	1/4	2,960.21	1/4	2,644.27	1/4	2,284.23	1/4	1,924.24	1/4	1,604.24
1/2	1/2	4,118.19	1/2	3,932.62	1/2	3,746.28	1/2	3,559.75	1/2	3,314.71	1/2	2,952.66	1/2	2,636.79	1/2	2,276.73	1/2	1,916.70	1/2	1,606.70
3/4	3/4	4,114.35	3/4	3,928.75	3/4	3,742.40	3/4	3,555.87	3/4	3,307.17	3/4	2,945.12	3/4	2,629.32	3/4	2,269.23	3/4	1,909.18	3/4	1,609.18
7	7	4,110.50	7	3,924.88	7	3,738.51	7	3,551.98	7	3,299.63	7	2,937.58	7	2,621.84	7	2,261.74	7	1,901.67	7	1,601.67
1/4	1/4	4,106.66	1/4	3,921.01	1/4	3,734.63	1/4	3,548.09	1/4	3,292.09	1/4	2,930.04	1/4	2,614.35	1/4	2,254.24	1/4	1,894.15	1/4	1,604.15
1/2	1/2	4,102.81	1/2	3,917.18	1/2	3,730.74	1/2	3,544.21	1/2	3,284.54	1/2	2,922.49	1/2	2,606.87	1/2	2,246.74	1/2	1,886.64	1/2	1,606.64
3/4	3/4	4,098.96	3/4	3,913.28	3/4	3,726.85	3/4	3,540.32	3/4	3,277.00	3/4	2,914.95	3/4	2,599.39	3/4	2,239.25	3/4	1,879.13	3/4	1,609.13
8	8	4,095.09	8	3,909.41	8	3,722.97	8	3,536.44	8	3,269.46	8	2,907.41	8	2,591.88	8	2,231.75	8	1,871.62	8	1,601.62
1/4	1/4	4,091.22	1/4	3,905.54	1/4	3,719.08	1/4	3,532.55	1/4	3,261.91	1/4	2,899.86	1/4	2,584.38	1/4	2,224.25	1/4	1,864.10	1/4	1,604.10
1/2	1/2	4,087.36	1/2	3,901.67	1/2	3,715.20	1/2	3,528.66	1/2	3,254.37	1/2	2,892.32	1/2	2,576.87	1/2	2,216.76	1/2	1,856.59	1/2	1,606.59
3/4	3/4	4,083.49	3/4	3,897.80	3/4	3,711.31	3/4	3,524.78	3/4	3,246.83	3/4	2,888.44	3/4	2,569.37	3/4	2,209.26	3/4	1,849.08	3/4	1,609.08
9	9	4,079.62	9	3,893.93	9	3,707.42	9	3,520.89	9	3,239.29	9	2,884.56	9	2,561.87	9	2,201.76	9	1,841.56	9	1,601.56
1/4	1/4	4,075.75	1/4	3,890.05	1/4	3,703.54	1/4	3,517.00	1/4	3,231.74	1/4	2,880.69	1/4	2,554.36	1/4	2,194.27	1/4	1,834.54	1/4	1,604.54
1/2	1/2	4,071.88	1/2	3,886.17	1/2	3,699.65	1/2	3,513.12	1/2	3,224.20	1/2	2,876.82	1/2	2,546.86	1/2	2,186.77	1/2	1,826.54	1/2	1,606.54
3/4	3/4	4,068.01	3/4	3,882.30	3/4	3,695.77	3/4	3,509.23	3/4	3,216.66	3/4	2,872.95	3/4	2,539.35	3/4	2,179.27	3/4	1,819.02	3/4	1,609.02
10	10	4,064.15	10	3,878.41	10	3,691.88	10	3,503.50	10	3,209.12	10	2,869.11	10	2,531.85	10	2,171.78	10	1,811.51	10	1,601.51
1/4	1/4	4,060.28	1/4	3,874.53	1/4	3,687.99	1/4	3,501.46	1/4	3,201.57	1/4	2,865.28	1/4	2,524.35	1/4	2,164.28	1/4	1,804.00	1/4	1,604.00
1/2	1/2	4,056.41	1/2	3,870.64	1/2	3,684.11	1/2	3,497.97	1/2	3,194.03	1/2	2,861.45	1/2	2,516.84	1/2	2,156.78	1/2	1,796.49	1/2	1,606.49
3/4	3/4	4,052.54	3/4	3,866.75	3/4	3,680.22	3/4	3,493.69	3/4	3,186.49	3/4	2,857.62	3/4	2,509.34	3/4	2,149.29	3/4	1,788.97	3/4	1,608.97
11	11	4,048.67	11	3,862.87	11	3,676.33	11	3,489.80	11	3,178.94	11	2,852.88	11	2,501.83	11	2,141.79	11	1,781.46	11	1,601.46
1/4	1/4	4,044.80	1/4	3,858.98	1/4	3,672.45	1/4	3,485.92	1/4	3,174.40	1/4	2,848.14	1/4	2,494.33	1/4	2,134.29	1/4	1,773.95	1/4	1,606.95
1/2	1/2	4,040.93	1/2	3,855.10	1/2	3,668.56	1/2	3,482.03	1/2	3,163.86	1/2	2,843.39	1/2	2,486.83	1/2	2,126.80	1/2	1,766.43	1/2	1,606.43
3/4	3/4	4,037.07	3/4	3,851.21	3/4	3,664.68	3/4	3,478.14	3/4	3,156.32	3/4	2,838.65	3/4	2,479.32	3/4	2,119.30	3/4	1,758.92	3/4	1,608.92

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.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 56'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "EMS 3057"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,751.41	0	1,394.64	0	1,049.41	0	698.21	0	341.50	0	0	0	0	0	0	0	0	0	0
1/4	1,743.89	1/4	1,387.11	1/4	1,042.34	1/4	690.68	1/4	334.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,736.38	1/2	1,379.59	1/2	1,035.28	1/2	683.16	1/2	326.75	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,728.87	3/4	1,372.07	3/4	1,028.22	3/4	675.64	3/4	319.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,721.36	1	1,364.54	1	1,021.25	1	668.12	1	312.00	1	1	1	1	1	1	1	1	1	1
1/4	1,713.84	1/4	1,357.02	1/4	1,014.29	1/4	660.60	1/4	304.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,706.33	1/2	1,349.50	1/2	1,007.32	1/2	653.09	1/2	297.25	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,698.82	3/4	1,341.97	3/4	1,000.36	3/4	645.57	3/4	289.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,691.30	2	1,334.55	2	993.30	2	638.08	2	282.46	2	2	2	2	2	2	2	2	2	2
1/4	1,683.79	1/4	1,327.12	1/4	986.23	1/4	630.58	1/4	275.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,676.27	1/2	1,319.70	1/2	979.17	1/2	623.09	1/2	267.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,668.76	3/4	1,312.27	3/4	972.11	3/4	615.59	3/4	260.23	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,661.23	3	1,305.14	3	964.75	3	608.10	3	252.71	3	3	3	3	3	3	3	3	3	3
1/4	1,653.71	1/4	1,298.00	1/4	957.40	1/4	600.60	1/4	245.19	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,646.19	1/2	1,290.87	1/2	950.05	1/2	593.11	1/2	237.68	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,638.67	3/4	1,283.74	3/4	942.69	3/4	585.61	3/4	230.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,631.15	4	1,276.61	4	935.32	4	578.12	4	222.64	4	4	4	4	4	4	4	4	4	4
1/4	1,623.63	1/4	1,269.48	1/4	927.96	1/4	570.62	1/4	215.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,616.11	1/2	1,262.35	1/2	920.59	1/2	563.13	1/2	207.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,608.58	3/4	1,255.22	3/4	913.22	3/4	555.63	3/4	200.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,601.11	5	1,248.12	5	905.84	5	548.14	5	192.60	5	5	5	5	5	5	5	5	5	5
1/4	1,593.63	1/4	1,241.01	1/4	898.46	1/4	540.64	1/4	185.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,586.15	1/2	1,233.90	1/2	891.07	1/2	533.14	1/2	177.64	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,578.67	3/4	1,226.79	3/4	883.69	3/4	525.65	3/4	170.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,571.33	6	1,219.69	6	876.31	6	518.19	6	162.78	6	6	6	6	6	6	6	6	6	6
1/4	1,563.98	1/4	1,212.60	1/4	868.92	1/4	510.73	1/4	155.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,556.63	1/2	1,205.50	1/2	861.54	1/2	503.27	1/2	148.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,549.28	3/4	1,198.40	3/4	854.16	3/4	495.81	3/4	140.66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,541.94	7	1,191.30	7	846.77	7	488.46	7	133.28	7	7	7	7	7	7	7	7	7	7
1/4	1,534.59	1/4	1,184.20	1/4	839.39	1/4	481.11	1/4	125.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,527.24	1/2	1,177.10	1/2	832.01	1/2	473.76	1/2	118.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,519.89	3/4	1,170.01	3/4	824.62	3/4	466.41	3/4	111.16	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,512.55	8	1,162.91	8	817.24	8	459.06	8	103.95	8	8	8	8	8	8	8	8	8	8
1/4	1,505.20	1/4	1,155.81	1/4	809.85	1/4	451.72	1/4	96.73	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,497.85	1/2	1,148.72	1/2	802.47	1/2	444.37	1/2	89.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,490.50	3/4	1,141.62	3/4	795.08	3/4	437.02	3/4	82.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,483.16	9	1,134.53	9	787.69	9	429.68	9	75.86	9	9	9	9	9	9	9	9	9	9
1/4	1,475.81	1/4	1,127.43	1/4	780.30	1/4	422.34	1/4	69.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,468.46	1/2	1,120.33	1/2	772.91	1/2	414.99	1/2	63.00	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,461.11	3/4	1,113.24	3/4	765.52	3/4	407.65	3/4	56.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,453.77	10	1,106.14	10	758.09	10	400.31	10	51.40	10	10	10	10	10	10	10	10	10	10
1/4	1,446.42	1/4	1,099.05	1/4	750.67	1/4	392.97	1/4	46.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,439.07	1/2	1,091.95	1/2	743.24	1/2	385.62	1/2	41.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,431.72	3/4	1,084.85	3/4	735.82	3/4	378.28	3/4	35.88	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,424.33	11	1,077.76	11	728.30	11	370.93	11	31.96	11	11	11	11	11	11	11	11	11	11
1/4	1,416.94	1/4	1,070.66	1/4	720.77	1/4	363.58	1/4	28.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,409.55	1/2	1,063.56	1/2	713.25	1/2	356.23	1/2	23.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,402.16	3/4	1,056.47	3/4	705.73	3/4	348.88	3/4	18.16	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: 06/21/2024 JS
 CALCULATED: 06/21/2024 JS
 PRINTED: 06/21/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2024

PRECISION MEASUREMENT
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BARGE "EMS 3057"

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:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-00"

June 21, 2024

**PRECISION MEASUREMENT
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Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3057"

1 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	22.78	0	276.61	0	572.71	0	892.18	0	1,220.42	0	1,549.62	0	1,879.57	0	2,209.51	0	2,539.24	0	2,868.97
1/4	25.37	1/4	282.46	1/4	579.17	1/4	898.99	1/4	1,227.27	1/4	1,556.49	1/4	1,886.44	1/4	2,216.38	1/4	2,546.11	1/4	2,875.84
1/2	27.96	1/2	288.31	1/2	585.62	1/2	905.80	1/2	1,234.12	1/2	1,563.36	1/2	1,893.32	1/2	2,223.25	1/2	2,552.98	1/2	2,882.71
3/4	31.39	3/4	294.20	3/4	592.11	3/4	912.61	3/4	1,240.96	3/4	1,570.24	3/4	1,900.19	3/4	2,230.12	3/4	2,559.85	3/4	2,888.58
1	34.81	1	300.09	1	598.61	1	919.42	1	1,247.81	1	1,577.11	1	1,907.06	1	2,236.99	1	2,566.72	1	2,896.45
1 1/4	38.24	1 1/4	305.98	1 1/4	605.10	1 1/4	926.23	1 1/4	1,254.64	1 1/4	1,583.99	1 1/4	1,913.94	1 1/4	2,243.86	1 1/4	2,573.59	1 1/4	2,903.32
1 1/2	41.67	1 1/2	311.87	1 1/2	611.60	1 1/2	933.04	1 1/2	1,261.48	1 1/2	1,590.86	1 1/2	1,920.81	1 1/2	2,250.73	1 1/2	2,580.46	1 1/2	2,910.19
3/4	46.28	3/4	317.80	3/4	618.13	3/4	939.85	3/4	1,268.32	3/4	1,597.73	3/4	1,927.69	3/4	2,257.60	3/4	2,587.33	3/4	2,917.06
2	50.89	2	323.73	2	624.65	2	946.66	2	1,275.16	2	1,604.61	2	1,934.56	2	2,264.47	2	2,594.20	2	2,923.93
1 1/4	55.50	1 1/4	329.66	1 1/4	631.18	1 1/4	953.71	1 1/4	1,282.00	1 1/4	1,611.48	1 1/4	1,941.43	1 1/4	2,271.34	1 1/4	2,601.07	1 1/4	2,930.80
1 1/2	60.11	1 1/2	335.59	1 1/2	637.71	1 1/2	960.28	1 1/2	1,288.84	1 1/2	1,618.36	1 1/2	1,948.31	1 1/2	2,278.21	1 1/2	2,607.94	1 1/2	2,937.67
3/4	65.47	3/4	341.57	3/4	644.28	3/4	967.09	3/4	1,295.68	3/4	1,625.33	3/4	1,955.18	3/4	2,285.08	3/4	2,614.81	3/4	2,944.54
3	70.83	3	347.54	3	650.84	3	973.90	3	1,302.52	3	1,632.10	3	1,962.06	3	2,291.95	3	2,621.68	3	2,951.41
1 1/2	76.20	1 1/2	353.52	1 1/2	657.41	1 1/2	980.71	1 1/2	1,309.36	1 1/2	1,638.98	1 1/2	1,968.93	1 1/2	2,298.81	1 1/2	2,628.55	1 1/2	2,958.28
1 1/4	81.56	1 1/4	359.49	1 1/4	663.98	1 1/4	987.52	1 1/4	1,316.20	1 1/4	1,645.85	1 1/4	1,975.80	1 1/4	2,305.68	1 1/4	2,635.42	1 1/4	2,965.15
3/4	87.11	3/4	365.50	3/4	670.59	3/4	994.33	3/4	1,323.04	3/4	1,652.73	3/4	1,982.68	3/4	2,312.55	3/4	2,642.28	3/4	2,972.02
4	92.66	4	371.51	4	677.19	4	1,001.14	4	1,329.88	4	1,659.60	4	1,989.55	4	2,319.42	4	2,649.15	4	2,978.89
1 1/4	98.21	1 1/4	377.52	1 1/4	683.80	1 1/4	1,007.95	1 1/4	1,336.72	1 1/4	1,666.47	1 1/4	1,996.43	1 1/4	2,326.29	1 1/4	2,656.02	1 1/4	2,985.75
1 1/2	103.75	1 1/2	383.54	1 1/2	690.41	1 1/2	1,014.76	1 1/2	1,343.56	1 1/2	1,673.35	1 1/2	2,003.30	1 1/2	2,333.16	1 1/2	2,662.89	1 1/2	2,992.62
3/4	109.34	3/4	389.69	3/4	697.06	3/4	1,021.57	3/4	1,350.40	3/4	1,680.22	3/4	2,010.17	3/4	2,340.03	3/4	2,669.76	3/4	2,999.49
5	114.92	5	395.84	5	703.71	5	1,028.38	5	1,357.24	5	1,687.10	5	2,017.05	5	2,346.90	5	2,676.63	5	3,006.36
1 1/4	120.50	1 1/4	401.99	1 1/4	710.36	1 1/4	1,035.20	1 1/4	1,364.09	1 1/4	1,693.97	1 1/4	2,023.92	1 1/4	2,353.77	1 1/4	2,683.50	1 1/4	3,013.23
1 1/2	126.08	1 1/2	408.14	1 1/2	717.01	1 1/2	1,042.01	1 1/2	1,370.93	1 1/2	1,700.84	1 1/2	2,030.80	1 1/2	2,360.64	1 1/2	2,690.37	1 1/2	3,020.10
3/4	131.80	3/4	414.36	3/4	723.69	3/4	1,048.83	3/4	1,377.79	3/4	1,707.72	3/4	2,037.67	3/4	2,367.51	3/4	2,696.24	3/4	3,026.97
6	137.52	6	420.59	6	730.38	6	1,055.65	6	1,384.66	6	1,714.59	6	2,044.54	6	2,374.38	6	2,704.11	6	3,033.84
1 1/4	143.24	1 1/4	426.81	1 1/4	737.06	1 1/4	1,062.47	1 1/4	1,391.52	1 1/4	1,721.47	1 1/4	2,051.42	1 1/4	2,381.25	1 1/4	2,710.98	1 1/4	3,040.71
1 1/2	148.96	1 1/2	433.04	1 1/2	743.74	1 1/2	1,069.29	1 1/2	1,398.39	1 1/2	1,728.34	1 1/2	2,058.29	1 1/2	2,388.12	1 1/2	2,717.85	1 1/2	3,047.58
3/4	154.75	3/4	439.30	3/4	750.43	3/4	1,076.16	3/4	1,405.26	3/4	1,735.21	3/4	2,065.17	3/4	2,394.99	3/4	2,724.72	3/4	3,054.45
7	160.54	7	445.56	7	757.11	7	1,083.02	7	1,412.14	7	1,742.09	7	2,072.04	7	2,401.86	7	2,731.59	7	3,061.32
1 1/4	166.33	1 1/4	451.82	1 1/4	763.80	1 1/4	1,089.88	1 1/4	1,419.01	1 1/4	1,748.96	1 1/4	2,078.91	1 1/4	2,408.72	1 1/4	2,738.46	1 1/4	3,068.19
1 1/2	172.13	1 1/2	458.08	1 1/2	770.48	1 1/2	1,096.74	1 1/2	1,425.88	1 1/2	1,755.84	1 1/2	2,085.79	1 1/2	2,415.59	1 1/2	2,745.33	1 1/2	3,075.06
3/4	177.96	3/4	464.37	3/4	777.19	3/4	1,103.62	3/4	1,432.76	3/4	1,762.71	3/4	2,092.66	3/4	2,422.46	3/4	2,752.19	3/4	3,081.93
8	183.79	8	470.67	8	783.90	8	1,110.49	8	1,439.63	8	1,769.58	8	2,099.54	8	2,429.33	8	2,759.06	8	3,088.80
1 1/4	189.63	1 1/4	476.97	1 1/4	790.60	1 1/4	1,117.36	1 1/4	1,446.51	1 1/4	1,776.46	1 1/4	2,106.41	1 1/4	2,436.20	1 1/4	2,765.93	1 1/4	3,095.66
1 1/2	195.46	1 1/2	483.27	1 1/2	797.31	1 1/2	1,124.24	1 1/2	1,453.38	1 1/2	1,783.33	1 1/2	2,113.28	1 1/2	2,443.07	1 1/2	2,772.80	1 1/2	3,102.53
3/4	201.23	3/4	489.61	3/4	804.05	3/4	1,131.11	3/4	1,460.25	3/4	1,790.21	3/4	2,120.16	3/4	2,449.94	3/4	2,779.67	3/4	3,109.40
9	207.00	9	495.95	9	810.78	9	1,137.99	9	1,467.13	9	1,797.08	9	2,127.03	9	2,456.81	9	2,786.54	9	3,116.27
1 1/4	212.77	1 1/4	502.29	1 1/4	817.52	1 1/4	1,144.86	1 1/4	1,474.00	1 1/4	1,803.95	1 1/4	2,133.91	1 1/4	2,463.66	1 1/4	2,793.41	1 1/4	3,123.14
1 1/2	218.54	1 1/2	508.63	1 1/2	824.26	1 1/2	1,151.73	1 1/2	1,480.88	1 1/2	1,810.83	1 1/2	2,140.78	1 1/2	2,470.55	1 1/2	2,800.28	1 1/2	3,130.01
3/4	224.32	3/4	515.01	3/4	831.03	3/4	1,158.61	3/4	1,487.75	3/4	1,817.70	3/4	2,147.65	3/4	2,477.42	3/4	2,807.15	3/4	3,136.88
10	230.09	10	521.39	10	837.81	10	1,165.48	10	1,494.62	10	1,824.58	10	2,154.53	10	2,484.29	10	2,814.02	10	3,143.75
1 1/4	235.87	1 1/4	527.77	1 1/4	844.58	1 1/4	1,172.36	1 1/4	1,501.50	1 1/4	1,831.45	1 1/4	2,161.40	1 1/4	2,491.16	1 1/4	2,820.89	1 1/4	3,150.62
1 1/2	241.64	1 1/2	534.15	1 1/2	851.35	1 1/2	1,179.23	1 1/2	1,508.37	1 1/2	1,838.32	1 1/2	2,168.28	1 1/2	2,498.03	1 1/2	2,827.76	1 1/2	3,157.49
3/4	247.46	3/4	540.56	3/4	858.16	3/4	1,186.10	3/4	1,515.25	3/4	1,845.20	3/4	2,175.15	3/4	2,504.90	3/4	2,834.63	3/4	3,164.36
11	253.28	11	546.98	11	864.96	11	1,192.98	11	1,522.12	11	1,852.07	11	2,182.02	11	2,511.77	11	2,841.50	11	3,171.23
1 1/4	259.10	1 1/4	553.39	1 1/4	871.76	1 1/4	1,199.85	1 1/4	1,529.99	1 1/4	1,858.95	1 1/4	2,188.90	1 1/4	2,518.64	1 1/4	2,848.37	1 1/4	3,178.10
1 1/2	264.91	1 1/2	559.81	1 1/2	878.57	1 1/2	1,206.73	1 1/2	1,535.87	1 1/2	1,865.82	1 1/2	2,195.77	1 1/2	2,525.50	1 1/2	2,855.24	1 1/2	3,184.97
3/4	270.76	3/4	566.26	3/4	885.38	3/4	1,213.57	3/4	1,542.74	3/4	1,872.69	3/4	2,202.64	3/4	2,532.37	3/4	2,862.11	3/4	3,191.84

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 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.

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



BARGE "EMS 3057"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 14'-11-1/2"

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	3,198.71	0	3,528.44	0	3,658.17	0	4,186.59	0	0	0	0	0	0	0	0	0	0	0	0
1/4	3,205.58	1/4	3,535.31	1/4	3,865.04	1/4	4,193.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,212.44	1/2	3,542.18	1/2	3,871.91	1/2	4,200.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,219.31	3/4	3,549.05	3/4	3,878.78	3/4	4,207.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,226.18	1	3,555.91	1	3,885.65	1	4,213.93	1	1	1	1	1	1	1	1	1	1	1	1
1/4	3,233.05	1/4	3,562.78	1/4	3,892.52	1/4	4,220.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,239.92	1/2	3,569.65	1/2	3,899.38	1/2	4,227.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,246.79	3/4	3,576.52	3/4	3,906.23	3/4	4,234.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,253.66	2	3,583.39	2	3,913.08	2	4,241.28	2	2	2	2	2	2	2	2	2	2	2	2
1/4	3,260.53	1/4	3,590.26	1/4	3,919.93	1/4	4,248.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,267.40	1/2	3,597.13	1/2	3,926.78	1/2	4,254.96	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,274.27	3/4	3,604.00	3/4	3,933.62	3/4	4,261.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,281.14	3	3,610.87	3	3,940.45	3	4,268.63	3	3	3	3	3	3	3	3	3	3	3	3
1/4	3,288.01	1/4	3,617.74	1/4	3,947.29	1/4	4,275.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,294.88	1/2	3,624.61	1/2	3,954.13	1/2	4,282.30	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,301.75	3/4	3,631.48	3/4	3,960.96	3/4	4,289.10	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,308.62	4	3,638.35	4	3,967.80	4	4,295.90	4	4	4	4	4	4	4	4	4	4	4	4
1/4	3,315.49	1/4	3,645.22	1/4	3,974.64	1/4	4,302.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,322.36	1/2	3,652.09	1/2	3,981.48	1/2	4,309.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,329.22	3/4	3,658.96	3/4	3,988.31	3/4	4,316.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	3,336.09	5	3,665.83	5	3,995.15	5	4,323.06	5	5	5	5	5	5	5	5	5	5	5	5
1/4	3,342.96	1/4	3,672.69	1/4	4,001.99	1/4	4,329.85	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,349.83	1/2	3,679.56	1/2	4,008.82	1/2	4,336.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,356.70	3/4	3,686.43	3/4	4,015.66	3/4	4,343.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	3,363.57	6	3,693.30	6	4,022.50	6	4,350.20	6	6	6	6	6	6	6	6	6	6	6	6
1/4	3,370.44	1/4	3,700.17	1/4	4,029.33	1/4	4,356.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,377.31	1/2	3,707.04	1/2	4,036.17	1/2	4,363.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,384.18	3/4	3,713.91	3/4	4,043.01	3/4	4,370.55	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	3,391.05	7	3,720.78	7	4,049.85	7	4,377.34	7	7	7	7	7	7	7	7	7	7	7	7
1/4	3,397.92	1/4	3,727.65	1/4	4,056.68	1/4	4,384.12	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,404.79	1/2	3,734.52	1/2	4,063.52	1/2	4,390.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,411.66	3/4	3,741.39	3/4	4,070.36	3/4	4,397.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	3,418.53	8	3,748.26	8	4,077.19	8	4,404.48	8	8	8	8	8	8	8	8	8	8	8	8
1/4	3,425.40	1/4	3,755.13	1/4	4,084.03	1/4	4,411.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,432.27	1/2	3,762.00	1/2	4,090.87	1/2	4,418.06	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,439.13	3/4	3,768.87	3/4	4,097.70	3/4	4,424.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	3,446.00	9	3,775.74	9	4,104.54	9	4,430.78	9	9	9	9	9	9	9	9	9	9	9	9
1/4	3,452.87	1/4	3,782.60	1/4	4,111.38	1/4	4,437.14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,459.74	1/2	3,789.47	1/2	4,118.22	1/2	4,443.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,466.61	3/4	3,796.34	3/4	4,125.05	3/4	4,448.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3,473.48	10	3,803.21	10	4,131.89	10	4,454.21	10	10	10	10	10	10	10	10	10	10	10	10
1/4	3,480.35	1/4	3,810.08	1/4	4,138.73	1/4	4,459.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,487.22	1/2	3,816.95	1/2	4,145.56	1/2	4,464.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,494.09	3/4	3,823.82	3/4	4,152.40	3/4	4,469.14	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	3,500.96	11	3,830.69	11	4,159.24	11	4,473.35	11	11	11	11	11	11	11	11	11	11	11	11
1/4	3,507.83	1/4	3,837.56	1/4	4,166.07	1/4	4,477.56	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,514.70	1/2	3,844.43	1/2	4,172.91	1/2	4,481.77	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,521.57	3/4	3,851.30	3/4	4,179.75	3/4	4,485.98	3/4	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: 06/21/2024 JS
CALCULATED: 06/21/2024 JS
PRINTED: 06/21/2024 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2024

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



BARGE "EMS 3057"

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	22.81	0	276.99	0	573.47	0	893.85	0	1,223.14	0	1,552.74	0	1,883.10	0	2,213.45	0	2,543.60	0	2,873.75
1/4	25.40	1/4	282.94	1/4	579.93	1/4	900.69	1/4	1,230.00	1/4	1,559.63	1/4	1,889.98	1/4	2,220.33	1/4	2,550.48	1/4	2,880.62
1/2	27.99	1/2	288.70	1/2	586.39	1/2	907.53	1/2	1,236.86	1/2	1,566.51	1/2	1,896.86	1/2	2,227.21	1/2	2,557.36	1/2	2,887.50
3/4	31.43	3/4	294.60	3/4	592.90	3/4	914.37	3/4	1,243.71	3/4	1,573.39	3/4	1,903.75	3/4	2,234.09	3/4	2,564.24	3/4	2,894.38
1	34.86	1	300.50	1	599.40	1	921.22	1	1,250.56	1	1,580.27	1	1,910.63	1	2,240.97	1	2,571.11	1	2,901.26
1 1/4	38.29	1 1/4	306.39	1 1/4	605.90	1 1/4	928.06	1 1/4	1,257.40	1 1/4	1,587.15	1 1/4	1,917.51	1 1/4	2,247.85	1 1/4	2,577.99	1 1/4	2,908.14
1 1/2	41.73	1 1/2	312.29	1 1/2	612.41	1 1/2	934.90	1 1/2	1,264.25	1 1/2	1,594.04	1 1/2	1,924.39	1 1/2	2,254.73	1 1/2	2,584.87	1 1/2	2,915.01
3/4	46.34	3/4	318.23	3/4	618.94	3/4	941.74	3/4	1,271.10	3/4	1,600.92	3/4	1,931.27	3/4	2,261.60	3/4	2,591.75	3/4	2,921.89
2	50.96	2	324.17	2	625.48	2	948.58	2	1,277.95	2	1,607.80	2	1,938.16	2	2,268.48	2	2,598.63	2	2,928.77
1 1/4	55.58	1 1/4	330.11	1 1/4	632.01	1 1/4	955.43	1 1/4	1,284.80	1 1/4	1,614.68	1 1/4	1,945.04	1 1/4	2,275.36	1 1/4	2,605.50	1 1/4	2,935.65
1 1/2	60.19	1 1/2	336.05	1 1/2	638.55	1 1/2	962.27	1 1/2	1,291.65	1 1/2	1,621.57	1 1/2	1,951.92	1 1/2	2,282.24	1 1/2	2,612.38	1 1/2	2,942.53
3/4	65.56	3/4	342.03	3/4	645.12	3/4	969.11	3/4	1,298.50	3/4	1,628.45	3/4	1,958.80	3/4	2,289.12	3/4	2,619.26	3/4	2,949.40
3	70.93	3	348.01	3	651.70	3	975.95	3	1,305.35	3	1,635.33	3	1,965.69	3	2,295.99	3	2,626.14	3	2,956.28
1 1/4	76.30	1 1/4	353.99	1 1/4	658.28	1 1/4	982.79	1 1/4	1,312.20	1 1/4	1,642.21	1 1/4	1,972.57	1 1/4	2,302.87	1 1/4	2,633.02	1 1/4	2,963.16
1 1/2	81.68	1 1/2	359.98	1 1/2	664.85	1 1/2	989.64	1 1/2	1,319.04	1 1/2	1,649.10	1 1/2	1,979.45	1 1/2	2,309.75	1 1/2	2,639.89	1 1/2	2,970.04
3/4	87.23	3/4	366.00	3/4	671.47	3/4	996.48	3/4	1,325.89	3/4	1,655.98	3/4	1,986.33	3/4	2,316.63	3/4	2,646.77	3/4	2,976.92
4	92.79	4	372.01	4	678.08	4	1,003.32	4	1,332.74	4	1,662.86	4	1,993.22	4	2,323.51	4	2,653.65	4	2,983.79
1 1/4	98.34	1 1/4	378.03	1 1/4	684.70	1 1/4	1,010.17	1 1/4	1,339.59	1 1/4	1,669.74	1 1/4	2,000.10	1 1/4	2,330.38	1 1/4	2,660.53	1 1/4	2,990.67
1 1/2	103.90	1 1/2	384.05	1 1/2	691.32	1 1/2	1,017.01	1 1/2	1,346.44	1 1/2	1,676.63	1 1/2	2,006.98	1 1/2	2,337.26	1 1/2	2,667.41	1 1/2	2,997.55
3/4	109.49	3/4	390.21	3/4	697.97	3/4	1,023.85	3/4	1,353.29	3/4	1,683.51	3/4	2,013.86	3/4	2,344.14	3/4	2,674.28	3/4	3,004.43
5	115.07	5	396.37	5	704.63	5	1,030.70	5	1,360.14	5	1,690.39	5	2,020.75	5	2,351.02	5	2,681.16	5	3,011.31
1 1/4	120.66	1 1/4	402.53	1 1/4	711.29	1 1/4	1,037.54	1 1/4	1,366.99	1 1/4	1,697.27	1 1/4	2,027.63	1 1/4	2,357.90	1 1/4	2,688.04	1 1/4	3,018.18
1 1/2	126.25	1 1/2	408.68	1 1/2	717.95	1 1/2	1,044.39	1 1/2	1,373.83	1 1/2	1,704.16	1 1/2	2,034.51	1 1/2	2,364.77	1 1/2	2,694.92	1 1/2	3,025.06
3/4	131.98	3/4	414.92	3/4	724.64	3/4	1,051.24	3/4	1,380.71	3/4	1,711.04	3/4	2,041.39	3/4	2,371.65	3/4	2,701.80	3/4	3,031.94
6	137.71	6	421.15	6	731.33	6	1,058.10	6	1,387.58	6	1,717.92	6	2,048.28	6	2,378.53	6	2,708.67	6	3,038.82
1 1/4	143.43	1 1/4	427.39	1 1/4	738.02	1 1/4	1,064.95	1 1/4	1,394.46	1 1/4	1,724.80	1 1/4	2,055.16	1 1/4	2,385.45	1 1/4	2,715.55	1 1/4	3,045.70
1 1/2	149.16	1 1/2	433.62	1 1/2	744.72	1 1/2	1,071.81	1 1/2	1,401.33	1 1/2	1,731.69	1 1/2	2,062.04	1 1/2	2,392.29	1 1/2	2,722.43	1 1/2	3,052.57
3/4	154.96	3/4	439.89	3/4	751.43	3/4	1,078.68	3/4	1,408.21	3/4	1,738.57	3/4	2,068.92	3/4	2,399.16	3/4	2,729.31	3/4	3,059.45
7	160.76	7	446.15	7	758.14	7	1,085.56	7	1,415.09	7	1,745.45	7	2,075.81	7	2,406.04	7	2,736.19	7	3,066.33
1 1/4	166.56	1 1/4	452.42	1 1/4	764.85	1 1/4	1,092.43	1 1/4	1,421.98	1 1/4	1,752.33	1 1/4	2,082.69	1 1/4	2,412.92	1 1/4	2,743.06	1 1/4	3,073.21
1 1/2	172.36	1 1/2	458.69	1 1/2	771.56	1 1/2	1,099.31	1 1/2	1,428.86	1 1/2	1,759.21	1 1/2	2,089.57	1 1/2	2,419.80	1 1/2	2,749.94	1 1/2	3,080.09
3/4	178.20	3/4	464.99	3/4	778.30	3/4	1,106.19	3/4	1,435.74	3/4	1,766.10	3/4	2,096.45	3/4	2,426.68	3/4	2,756.82	3/4	3,086.96
8	184.04	8	471.30	8	785.04	8	1,113.08	8	1,442.62	8	1,772.98	8	2,103.33	8	2,433.55	8	2,763.70	8	3,093.84
1 1/4	189.89	1 1/4	477.61	1 1/4	791.78	1 1/4	1,119.96	1 1/4	1,449.51	1 1/4	1,779.86	1 1/4	2,110.22	1 1/4	2,440.43	1 1/4	2,770.58	1 1/4	3,100.72
1 1/2	195.73	1 1/2	483.91	1 1/2	798.52	1 1/2	1,126.84	1 1/2	1,456.39	1 1/2	1,786.74	1 1/2	2,117.10	1 1/2	2,447.31	1 1/2	2,777.45	1 1/2	3,107.60
3/4	201.51	3/4	490.26	3/4	805.29	3/4	1,133.72	3/4	1,463.27	3/4	1,793.63	3/4	2,123.98	3/4	2,454.19	3/4	2,784.33	3/4	3,114.48
9	207.28	9	496.61	9	812.06	9	1,140.60	9	1,470.15	9	1,800.51	9	2,130.86	9	2,461.07	9	2,791.21	9	3,121.35
1 1/4	213.06	1 1/4	502.95	1 1/4	818.83	1 1/4	1,147.49	1 1/4	1,477.04	1 1/4	1,807.39	1 1/4	2,137.75	1 1/4	2,467.94	1 1/4	2,798.09	1 1/4	3,128.23
1 1/2	218.84	1 1/2	509.30	1 1/2	825.60	1 1/2	1,154.37	1 1/2	1,483.92	1 1/2	1,814.27	1 1/2	2,144.63	1 1/2	2,474.82	1 1/2	2,804.97	1 1/2	3,135.11
3/4	224.62	3/4	515.69	3/4	832.40	3/4	1,161.25	3/4	1,490.80	3/4	1,821.16	3/4	2,151.51	3/4	2,481.70	3/4	2,811.84	3/4	3,141.99
10	230.41	10	522.08	10	839.21	10	1,168.13	10	1,497.68	10	1,828.04	10	2,158.39	10	2,488.58	10	2,818.72	10	3,148.87
1 1/4	236.19	1 1/4	528.47	1 1/4	846.02	1 1/4	1,175.02	1 1/4	1,504.57	1 1/4	1,834.92	1 1/4	2,165.28	1 1/4	2,495.46	1 1/4	2,825.60	1 1/4	3,155.74
1 1/2	241.97	1 1/2	534.86	1 1/2	852.82	1 1/2	1,181.90	1 1/2	1,511.45	1 1/2	1,841.80	1 1/2	2,172.16	1 1/2	2,502.33	1 1/2	2,832.48	1 1/2	3,162.62
3/4	247.80	3/4	541.28	3/4	859.66	3/4	1,188.78	3/4	1,518.33	3/4	1,848.69	3/4	2,179.04	3/4	2,509.21	3/4	2,839.36	3/4	3,169.50
11	253.62	11	547.70	11	866.49	11	1,195.66	11	1,525.21	11	1,855.57	11	2,185.92	11	2,516.09	11	2,846.23	11	3,176.38
1 1/4	259.45	1 1/4	554.13	1 1/4	873.33	1 1/4	1,202.55	1 1/4	1,532.10	1 1/4	1,862.45	1 1/4	2,192.81	1 1/4	2,522.97	1 1/4	2,853.11	1 1/4	3,183.26
1 1/2	265.27	1 1/2	560.55	1 1/2	880.17	1 1/2	1,209.43	1 1/2	1,538.98	1 1/2	1,869.33	1 1/2	2,199.69	1 1/2	2,529.85	1 1/2	2,859.99	1 1/2	3,190.13
3/4	271.13	3/4	567.01	3/4	887.01	3/4	1,216.29	3/4	1,545.86	3/4	1,876.22	3/4	2,206.57	3/4	2,536.72	3/4	2,866.87	3/4	3,197.01

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.

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



BARGE "EMS 3057"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	3,203.89	0	3,534.03	0	3,864.18	0	4,192.38	0	4,520.58	0	4,848.78	0	5,176.98	0	5,505.18	0	5,833.38	0	6,161.58
1/4	3,210.77	1/4	3,540.91	1/4	3,871.06	1/4	4,199.82	1/4	4,528.02	1/4	4,856.22	1/4	5,184.42	1/4	5,512.62	1/4	5,840.82	1/4	6,169.02
1/2	3,217.65	1/2	3,547.79	1/2	3,877.93	1/2	4,206.67	1/2	4,534.87	1/2	4,863.07	1/2	5,191.27	1/2	5,519.47	1/2	5,847.67	1/2	6,175.87
3/4	3,224.52	3/4	3,554.67	3/4	3,884.81	3/4	4,213.51	3/4	4,541.71	3/4	4,869.91	3/4	5,197.11	3/4	5,525.31	3/4	5,853.51	3/4	6,182.71
1	3,231.40	1	3,561.55	1	3,891.69	1	4,220.36	1	4,548.56	1	4,876.76	1	5,203.96	1	5,532.16	1	5,860.36	1	6,189.56
1/4	3,238.28	1/4	3,568.42	1/4	3,898.57	1/4	4,227.20	1/4	4,555.40	1/4	4,883.60	1/4	5,211.80	1/4	5,540.00	1/4	5,868.20	1/4	6,196.40
1/2	3,245.16	1/2	3,575.30	1/2	3,905.45	1/2	4,234.05	1/2	4,562.25	1/2	4,890.45	1/2	5,218.65	1/2	5,546.85	1/2	5,875.05	1/2	6,203.25
3/4	3,252.04	3/4	3,582.18	3/4	3,912.30	3/4	4,240.90	3/4	4,569.10	3/4	4,897.30	3/4	5,225.50	3/4	5,553.70	3/4	5,881.90	3/4	6,210.10
2	3,258.91	2	3,589.06	2	3,919.15	2	4,247.74	2	4,575.94	2	4,904.14	2	5,232.34	2	5,560.54	2	5,888.74	2	6,216.94
1/4	3,265.79	1/4	3,595.94	1/4	3,926.00	1/4	4,254.59	1/4	4,582.79	1/4	4,911.99	1/4	5,239.19	1/4	5,567.39	1/4	5,895.59	1/4	6,223.79
1/2	3,272.67	1/2	3,602.81	1/2	3,932.85	1/2	4,261.43	1/2	4,590.63	1/2	4,919.83	1/2	5,246.03	1/2	5,574.23	1/2	5,902.43	1/2	6,230.63
3/4	3,279.55	3/4	3,609.69	3/4	3,939.69	3/4	4,268.28	3/4	4,597.48	3/4	4,926.68	3/4	5,252.88	3/4	5,581.08	3/4	5,909.28	3/4	6,237.48
3	3,286.43	3	3,616.57	3	3,946.54	3	4,275.12	3	4,604.32	3	4,933.52	3	5,259.72	3	5,587.92	3	5,916.12	3	6,244.32
1/4	3,293.30	1/4	3,623.45	1/4	3,953.38	1/4	4,281.97	1/4	4,611.17	1/4	4,940.37	1/4	5,266.57	1/4	5,595.17	1/4	5,922.97	1/4	6,251.17
1/2	3,300.18	1/2	3,630.33	1/2	3,960.23	1/2	4,288.81	1/2	4,618.01	1/2	4,948.21	1/2	5,273.41	1/2	5,602.01	1/2	5,930.21	1/2	6,258.01
3/4	3,307.06	3/4	3,637.20	3/4	3,967.08	3/4	4,295.62	3/4	4,625.85	3/4	4,955.05	3/4	5,280.25	3/4	5,608.85	3/4	5,937.05	3/4	6,264.85
4	3,313.94	4	3,644.08	4	3,973.92	4	4,302.42	4	4,632.72	4	4,961.92	4	5,287.12	4	5,615.72	4	5,943.92	4	6,271.72
1/4	3,320.82	1/4	3,650.96	1/4	3,980.77	1/4	4,309.23	1/4	4,640.56	1/4	4,969.76	1/4	5,294.01	1/4	5,622.61	1/4	5,950.81	1/4	6,278.61
1/2	3,327.69	1/2	3,657.84	1/2	3,987.61	1/2	4,316.03	1/2	4,647.40	1/2	4,976.60	1/2	5,300.90	1/2	5,629.50	1/2	5,957.70	1/2	6,285.50
3/4	3,334.57	3/4	3,664.72	3/4	3,994.46	3/4	4,322.83	3/4	4,654.24	3/4	4,983.44	3/4	5,307.80	3/4	5,636.40	3/4	5,964.60	3/4	6,292.40
5	3,341.45	5	3,671.59	5	4,001.30	5	4,329.62	5	4,661.07	5	4,990.27	5	5,314.70	5	5,643.30	5	5,971.50	5	6,300.30
1/4	3,348.33	1/4	3,678.47	1/4	4,008.15	1/4	4,336.41	1/4	4,667.91	1/4	4,997.11	1/4	5,321.60	1/4	5,650.20	1/4	5,978.40	1/4	6,307.20
1/2	3,355.21	1/2	3,685.35	1/2	4,014.99	1/2	4,343.21	1/2	4,674.75	1/2	4,999.95	1/2	5,328.50	1/2	5,657.10	1/2	5,985.30	1/2	6,314.10
3/4	3,362.08	3/4	3,692.23	3/4	4,021.84	3/4	4,350.00	3/4	4,681.59	3/4	5,006.79	3/4	5,335.40	3/4	5,664.00	3/4	5,992.20	3/4	6,321.00
6	3,368.96	6	3,699.11	6	4,028.69	6	4,356.79	6	4,688.43	6	5,013.63	6	5,342.30	6	5,670.90	6	5,999.10	6	6,327.90
1/4	3,375.84	1/4	3,705.98	1/4	4,035.53	1/4	4,363.59	1/4	4,695.27	1/4	5,020.47	1/4	5,349.20	1/4	5,677.80	1/4	6,006.00	1/4	6,334.80
1/2	3,382.72	1/2	3,712.86	1/2	4,042.38	1/2	4,370.38	1/2	4,702.06	1/2	5,027.26	1/2	5,356.00	1/2	5,684.60	1/2	6,012.90	1/2	6,341.70
3/4	3,389.60	3/4	3,719.74	3/4	4,049.22	3/4	4,377.17	3/4	4,708.85	3/4	5,034.05	3/4	5,362.80	3/4	5,691.40	3/4	6,019.80	3/4	6,348.60
7	3,396.47	7	3,726.62	7	4,056.07	7	4,383.97	7	4,715.65	7	5,040.83	7	5,369.60	7	5,698.20	7	6,026.70	7	6,355.50
1/4	3,403.35	1/4	3,733.50	1/4	4,062.91	1/4	4,390.76	1/4	4,722.43	1/4	5,047.61	1/4	5,376.40	1/4	5,705.00	1/4	6,033.60	1/4	6,362.40
1/2	3,410.23	1/2	3,740.37	1/2	4,069.76	1/2	4,397.55	1/2	4,729.13	1/2	5,054.45	1/2	5,383.20	1/2	5,711.80	1/2	6,040.50	1/2	6,369.30
3/4	3,417.11	3/4	3,747.25	3/4	4,076.60	3/4	4,404.35	3/4	4,736.81	3/4	5,061.29	3/4	5,390.00	3/4	5,718.60	3/4	6,047.40	3/4	6,376.20
8	3,423.99	8	3,754.13	8	4,083.45	8	4,411.15	8	4,743.53	8	5,068.13	8	5,396.80	8	5,725.40	8	6,054.30	8	6,383.10
1/4	3,430.86	1/4	3,761.01	1/4	4,090.29	1/4	4,417.94	1/4	4,755.01	1/4	5,074.97	1/4	5,403.60	1/4	5,732.20	1/4	6,061.20	1/4	6,390.00
1/2	3,437.74	1/2	3,767.89	1/2	4,097.14	1/2	4,424.74	1/2	4,761.89	1/2	5,081.81	1/2	5,410.40	1/2	5,739.00	1/2	6,068.10	1/2	6,396.90
3/4	3,444.62	3/4	3,774.76	3/4	4,103.99	3/4	4,431.11	3/4	4,768.76	3/4	5,088.69	3/4	5,417.20	3/4	5,745.80	3/4	6,075.00	3/4	6,403.80
9	3,451.50	9	3,781.64	9	4,110.83	9	4,437.47	9	4,775.63	9	5,095.57	9	5,424.00	9	5,752.60	9	6,081.90	9	6,410.70
1/4	3,458.38	1/4	3,788.52	1/4	4,117.68	1/4	4,443.84	1/4	4,782.50	1/4	5,102.45	1/4	5,429.80	1/4	5,759.40	1/4	6,088.80	1/4	6,417.60
1/2	3,465.25	1/2	3,795.40	1/2	4,124.52	1/2	4,450.21	1/2	4,789.37	1/2	5,109.33	1/2	5,436.60	1/2	5,766.20	1/2	6,095.70	1/2	6,424.50
3/4	3,472.13	3/4	3,802.28	3/4	4,131.37	3/4	4,456.57	3/4	4,796.24	3/4	5,116.21	3/4	5,443.40	3/4	5,773.00	3/4	6,102.60	3/4	6,431.40
10	3,479.01	10	3,809.15	10	4,138.21	10	4,463.04	10	4,803.10	10	5,123.05	10	5,450.20	10	5,779.80	10	6,109.50	10	6,438.30
1/4	3,485.89	1/4	3,816.03	1/4	4,145.06	1/4	4,469.30	1/4	4,809.95	1/4	5,129.89	1/4	5,457.00	1/4	5,786.60	1/4	6,116.40	1/4	6,445.20
1/2	3,492.77	1/2	3,822.91	1/2	4,151.90	1/2	4,475.66	1/2	4,816.80	1/2	5,136.73	1/2	5,463.80	1/2	5,793.40	1/2	6,123.30	1/2	6,452.10
3/4	3,499.64	3/4	3,829.79	3/4	4,158.75	3/4	4,481.43	3/4	4,822.65	3/4	5,143.61	3/4	5,470.00	3/4	5,800.20	3/4	6,130.20	3/4	6,459.00
11	3,506.52	11	3,836.67	11	4,165.60	11	4,488.10	11	4,829.50	11	5,150.37	11	5,476.80	11	5,807.00	11	6,137.10	11	6,465.90
1/4	3,513.40	1/4	3,843.54	1/4	4,172.44	1/4	4,494.31	1/4	4,836.40	1/4	5,157.25	1/4	5,483.60	1/4	5,813.90	1/4	6,144.00	1/4	6,472.80
1/2	3,520.28	1/2	3,850.42	1/2	4,179.29	1/2	4,499.12	1/2	4,843.30	1/2	5,164.13	1/2	5,490.40	1/2	5,820.70	1/2	6,150.90	1/2	6,479.70
3/4	3,527.16	3/4	3,857.30	3/4	4,186.13	3/4	4,504.93	3/4	4,849.19	3/4	5,170.01	3/4	5,496.20	3/4	5,827.60	3/4	6,157.80	3/4	6,486.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2024 JS
 CALCULATED: 06/21/2024 JS
 PRINTED: 06/21/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2024

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



BARGE "EMS 3057"

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	29.08	0	390.41	0	776.36	0	1,160.36	0	1,542.68	0	1,927.64	0	2,316.82	0	2,705.98	0	3,094.90	0	3,483.81
1/4	33.31	1/4	398.35	1/4	784.47	1/4	1,168.23	1/4	1,550.64	1/4	1,935.75	1/4	2,324.92	1/4	2,714.08	1/4	3,103.00	1/4	3,491.92
1/2	37.53	1/2	406.28	1/2	792.57	1/2	1,176.09	1/2	1,558.61	1/2	1,943.86	1/2	2,333.03	1/2	2,722.19	1/2	3,111.10	1/2	3,500.02
3/4	43.11	3/4	414.22	3/4	800.68	3/4	1,183.95	3/4	1,566.53	3/4	1,951.97	3/4	2,341.14	3/4	2,730.29	3/4	3,119.20	3/4	3,508.12
1	49.68	1	422.16	1	808.78	1	1,191.81	1	1,574.45	1	1,960.07	1	2,349.25	1	2,738.39	1	3,127.31	1	3,516.22
1/4	54.26	1/4	430.10	1/4	816.89	1/4	1,199.87	1/4	1,582.37	1/4	1,968.18	1/4	2,357.36	1/4	2,746.49	1/4	3,135.41	1/4	3,524.32
1/2	59.83	1/2	438.04	1/2	825.00	1/2	1,207.53	1/2	1,590.29	1/2	1,976.29	1/2	2,365.46	1/2	2,754.60	1/2	3,143.51	1/2	3,532.43
3/4	66.76	3/4	445.98	3/4	833.10	3/4	1,215.39	3/4	1,598.22	3/4	1,984.40	3/4	2,375.39	3/4	2,762.70	3/4	3,151.61	3/4	3,540.53
2	73.68	2	453.92	2	841.21	2	1,223.25	2	1,606.14	2	1,992.50	2	2,381.68	2	2,770.80	2	3,159.72	2	3,548.63
1/4	80.61	1/4	461.86	1/4	849.31	1/4	1,231.11	1/4	1,614.06	1/4	2,000.61	1/4	2,389.79	1/4	2,778.90	1/4	3,167.82	1/4	3,556.73
1/2	87.54	1/2	469.80	1/2	857.42	1/2	1,238.97	1/2	1,621.98	1/2	2,008.72	1/2	2,397.89	1/2	2,787.01	1/2	3,175.92	1/2	3,564.84
3/4	95.31	3/4	477.74	3/4	865.52	3/4	1,246.83	3/4	1,629.90	3/4	2,016.83	3/4	2,406.00	3/4	2,795.11	3/4	3,184.02	3/4	3,572.94
3	103.08	3	485.69	3	873.63	3	1,254.70	3	1,637.82	3	2,024.94	3	2,414.11	3	2,803.21	3	3,192.13	3	3,581.04
1/4	110.85	1/4	493.63	1/4	881.73	1/4	1,262.56	1/4	1,645.74	1/4	2,033.04	1/4	2,422.22	1/4	2,811.31	1/4	3,200.23	1/4	3,589.14
1/2	118.62	1/2	501.58	1/2	889.84	1/2	1,270.42	1/2	1,653.66	1/2	2,041.15	1/2	2,430.33	1/2	2,819.42	1/2	3,208.33	1/2	3,597.25
3/4	126.56	3/4	509.52	3/4	897.94	3/4	1,278.28	3/4	1,661.58	3/4	2,049.26	3/4	2,438.43	3/4	2,827.52	3/4	3,216.43	3/4	3,605.35
4	134.50	4	517.47	4	906.05	4	1,286.14	4	1,669.50	4	2,057.37	4	2,446.54	4	2,835.62	4	3,224.54	4	3,613.45
1/4	142.44	1/4	525.42	1/4	914.16	1/4	1,294.01	1/4	1,677.42	1/4	2,065.47	1/4	2,454.65	1/4	2,843.72	1/4	3,232.64	1/4	3,621.55
1/2	150.38	1/2	533.36	1/2	922.26	1/2	1,301.87	1/2	1,685.34	1/2	2,073.58	1/2	2,462.76	1/2	2,851.83	1/2	3,240.74	1/2	3,629.66
3/4	158.32	3/4	541.43	3/4	930.37	3/4	1,309.73	3/4	1,693.26	3/4	2,081.69	3/4	2,470.86	3/4	2,859.93	3/4	3,248.84	3/4	3,637.76
5	166.26	5	549.49	5	938.47	5	1,317.60	5	1,701.18	5	2,089.80	5	2,478.97	5	2,868.03	5	3,256.95	5	3,645.86
1/4	174.20	1/4	557.56	1/4	946.58	1/4	1,325.46	1/4	1,709.11	1/4	2,097.91	1/4	2,487.08	1/4	2,876.13	1/4	3,265.05	1/4	3,653.96
1/2	182.13	1/2	565.62	1/2	954.68	1/2	1,333.33	1/2	1,717.03	1/2	2,106.01	1/2	2,495.19	1/2	2,884.24	1/2	3,273.15	1/2	3,662.07
3/4	190.19	3/4	573.73	3/4	962.79	3/4	1,341.20	3/4	1,725.10	3/4	2,114.12	3/4	2,503.30	3/4	2,892.34	3/4	3,281.25	3/4	3,670.17
6	198.24	6	581.83	6	970.89	6	1,349.07	6	1,733.15	6	2,122.23	6	2,511.40	6	2,900.44	6	3,289.36	6	3,678.27
1/4	206.30	1/4	589.94	1/4	979.00	1/4	1,356.94	1/4	1,741.21	1/4	2,130.34	1/4	2,519.51	1/4	2,908.54	1/4	3,297.46	1/4	3,686.37
1/2	214.35	1/2	598.04	1/2	987.10	1/2	1,364.82	1/2	1,749.27	1/2	2,138.44	1/2	2,527.62	1/2	2,916.64	1/2	3,305.56	1/2	3,694.48
3/4	222.45	3/4	606.15	3/4	995.04	3/4	1,372.87	3/4	1,757.38	3/4	2,146.55	3/4	2,535.73	3/4	2,924.75	3/4	3,313.66	3/4	3,702.58
7	230.54	7	614.26	7	1,002.97	7	1,380.92	7	1,765.49	7	2,154.66	7	2,543.83	7	2,932.85	7	3,321.76	7	3,710.68
1/4	238.63	1/4	622.36	1/4	1,010.90	1/4	1,388.97	1/4	1,773.59	1/4	2,162.77	1/4	2,551.94	1/4	2,940.95	1/4	3,329.87	1/4	3,718.78
1/2	246.73	1/2	630.47	1/2	1,018.83	1/2	1,397.02	1/2	1,781.70	1/2	2,170.88	1/2	2,560.05	1/2	2,949.05	1/2	3,337.97	1/2	3,726.88
3/4	254.82	3/4	638.57	3/4	1,026.76	3/4	1,405.13	3/4	1,789.81	3/4	2,178.98	3/4	2,568.16	3/4	2,957.16	3/4	3,346.07	3/4	3,734.99
8	262.91	8	646.68	8	1,034.57	8	1,413.23	8	1,797.92	8	2,187.09	8	2,576.27	8	2,965.26	8	3,354.17	8	3,743.09
1/4	271.01	1/4	654.78	1/4	1,042.43	1/4	1,421.34	1/4	1,806.03	1/4	2,195.20	1/4	2,584.37	1/4	2,973.36	1/4	3,362.28	1/4	3,751.19
1/2	279.10	1/2	662.89	1/2	1,050.30	1/2	1,429.45	1/2	1,814.13	1/2	2,203.31	1/2	2,592.48	1/2	2,981.46	1/2	3,370.38	1/2	3,759.29
3/4	287.08	3/4	670.99	3/4	1,058.16	3/4	1,437.56	3/4	1,822.24	3/4	2,211.42	3/4	2,600.59	3/4	2,989.57	3/4	3,378.48	3/4	3,767.40
9	295.05	9	679.10	9	1,066.03	9	1,445.66	9	1,830.35	9	2,219.52	9	2,608.70	9	2,997.67	9	3,386.58	9	3,775.50
1/4	303.03	1/4	687.20	1/4	1,073.89	1/4	1,453.77	1/4	1,838.46	1/4	2,227.63	1/4	2,616.81	1/4	3,005.77	1/4	3,394.69	1/4	3,783.60
1/2	311.01	1/2	695.31	1/2	1,081.75	1/2	1,461.88	1/2	1,846.56	1/2	2,235.74	1/2	2,625.91	1/2	3,013.87	1/2	3,402.79	1/2	3,791.70
3/4	318.95	3/4	703.41	3/4	1,089.61	3/4	1,469.99	3/4	1,854.87	3/4	2,243.85	3/4	2,633.02	3/4	3,021.98	3/4	3,410.89	3/4	3,799.81
10	326.89	10	711.52	10	1,097.48	10	1,478.10	10	1,862.78	10	2,251.95	10	2,641.13	10	3,030.08	10	3,418.99	10	3,807.91
1/4	334.83	1/4	719.63	1/4	1,105.34	1/4	1,486.20	1/4	1,876.89	1/4	2,260.06	1/4	2,649.24	1/4	3,038.18	1/4	3,427.10	1/4	3,816.01
1/2	342.77	1/2	727.73	1/2	1,113.20	1/2	1,494.31	1/2	1,879.00	1/2	2,268.17	1/2	2,657.34	1/2	3,046.28	1/2	3,435.20	1/2	3,824.11
3/4	350.71	3/4	735.84	3/4	1,121.06	3/4	1,502.42	3/4	1,887.10	3/4	2,276.28	3/4	2,665.45	3/4	3,054.39	3/4	3,443.30	3/4	3,832.22
11	358.65	11	743.94	11	1,128.92	11	1,510.53	11	1,895.21	11	2,284.39	11	2,673.56	11	3,062.49	11	3,451.40	11	3,840.32
1/4	366.59	1/4	752.05	1/4	1,136.78	1/4	1,518.63	1/4	1,903.32	1/4	2,292.49	1/4	2,681.67	1/4	3,070.59	1/4	3,459.51	1/4	3,848.42
1/2	374.53	1/2	760.15	1/2	1,144.64	1/2	1,526.74	1/2	1,911.43	1/2	2,300.60	1/2	2,689.78	1/2	3,078.69	1/2	3,467.61	1/2	3,856.52
3/4	382.47	3/4	768.26	3/4	1,152.50	3/4	1,534.71	3/4	1,919.53	3/4	2,308.71	3/4	2,697.88	3/4	3,086.80	3/4	3,475.71	3/4	3,864.63

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE 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"-99" OFF CENTERLINE AND 48"-99" FORWARD OF AFT BULKHEAD.

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



BARGE "EMS 3057"

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	3,872.73	0	4,261.64	0	4,650.56	0	5,037.89	0	5,425.22	0	5,812.55	0	6,199.88	0	6,587.21	0	6,974.54	0	7,361.87
1/4	3,880.83	1/4	4,269.75	1/4	4,658.66	1/4	5,046.98	1/4	5,435.30	1/4	5,823.62	1/4	6,211.94	1/4	6,600.26	1/4	6,988.58	1/4	7,376.90
1/2	3,888.93	1/2	4,277.85	1/2	4,666.76	1/2	5,055.08	1/2	5,443.40	1/2	5,831.72	1/2	6,219.04	1/2	6,607.36	1/2	6,995.68	1/2	7,385.00
3/4	3,897.04	3/4	4,286.95	3/4	4,675.87	3/4	5,064.00	3/4	5,451.52	3/4	5,839.84	3/4	6,227.16	3/4	6,615.48	3/4	6,999.80	3/4	7,393.12
1	3,905.14	1	4,296.05	1	4,684.97	1	5,072.10	1	5,458.64	1	5,846.96	1	6,234.28	1	6,620.00	1	6,997.32	1	7,400.16
1/4	3,913.24	1/4	4,302.16	1/4	4,691.07	1/4	5,079.21	1/4	5,463.76	1/4	5,852.08	1/4	6,241.40	1/4	6,626.12	1/4	6,998.56	1/4	7,407.28
1/2	3,921.34	1/2	4,310.26	1/2	4,699.17	1/2	5,087.31	1/2	5,471.86	1/2	5,860.18	1/2	6,249.52	1/2	6,634.24	1/2	7,006.64	1/2	7,414.40
3/4	3,929.44	3/4	4,318.36	3/4	4,707.25	3/4	5,095.34	3/4	5,479.96	3/4	5,868.28	3/4	6,257.64	3/4	6,642.32	3/4	7,013.76	3/4	7,421.52
2	3,937.55	2	4,326.46	2	4,715.32	2	5,102.41	2	5,488.06	2	5,876.40	2	6,265.76	2	6,650.40	2	7,021.84	2	7,428.64
1/4	3,945.65	1/4	4,334.56	1/4	4,723.40	1/4	5,110.47	1/4	5,496.16	1/4	5,884.50	1/4	6,273.88	1/4	6,658.48	1/4	7,029.92	1/4	7,435.76
1/2	3,953.75	1/2	4,342.67	1/2	4,731.47	1/2	5,118.53	1/2	5,504.26	1/2	5,892.60	1/2	6,281.96	1/2	6,666.56	1/2	7,037.04	1/2	7,442.88
3/4	3,961.85	3/4	4,350.77	3/4	4,739.53	3/4	5,126.60	3/4	5,512.36	3/4	5,900.70	3/4	6,289.04	3/4	6,674.64	3/4	7,045.12	3/4	7,450.00
3	3,969.96	3	4,358.87	3	4,747.60	3	5,134.66	3	5,520.46	3	5,908.80	3	6,297.12	3	6,682.72	3	7,053.20	3	7,457.12
1/4	3,978.06	1/4	4,366.97	1/4	4,755.66	1/4	5,142.72	1/4	5,528.56	1/4	5,916.90	1/4	6,305.20	1/4	6,690.80	1/4	7,061.28	1/4	7,464.24
1/2	3,986.16	1/2	4,375.08	1/2	4,763.73	1/2	5,150.79	1/2	5,536.66	1/2	5,925.00	1/2	6,313.28	1/2	6,698.88	1/2	7,069.36	1/2	7,471.36
3/4	3,994.26	3/4	4,383.18	3/4	4,771.79	3/4	5,158.81	3/4	5,544.76	3/4	5,933.10	3/4	6,321.36	3/4	6,706.96	3/4	7,077.44	3/4	7,478.48
4	4,002.37	4	4,391.28	4	4,779.85	4	5,166.82	4	5,552.86	4	5,941.20	4	6,329.44	4	6,715.04	4	7,085.52	4	7,485.60
1/4	4,010.47	1/4	4,399.38	1/4	4,787.92	1/4	5,174.84	1/4	5,560.96	1/4	5,949.30	1/4	6,337.52	1/4	6,723.12	1/4	7,093.60	1/4	7,492.72
1/2	4,018.57	1/2	4,407.49	1/2	4,795.98	1/2	5,182.88	1/2	5,569.06	1/2	5,957.40	1/2	6,345.60	1/2	6,731.20	1/2	7,101.68	1/2	7,500.84
3/4	4,026.67	3/4	4,415.59	3/4	4,804.04	3/4	5,190.86	3/4	5,577.16	3/4	5,965.50	3/4	6,353.68	3/4	6,739.28	3/4	7,109.76	3/4	7,508.96
5	4,034.78	5	4,423.69	5	4,812.11	5	5,198.86	5	5,585.26	5	5,973.60	5	6,361.76	5	6,747.36	5	7,117.84	5	7,517.04
1/4	4,042.88	1/4	4,431.79	1/4	4,820.17	1/4	5,206.87	1/4	5,593.36	1/4	5,981.70	1/4	6,369.84	1/4	6,755.44	1/4	7,125.92	1/4	7,525.16
1/2	4,050.98	1/2	4,439.90	1/2	4,828.24	1/2	5,214.87	1/2	5,601.46	1/2	5,989.80	1/2	6,377.92	1/2	6,763.52	1/2	7,134.00	1/2	7,533.28
3/4	4,059.08	3/4	4,448.00	3/4	4,836.30	3/4	5,222.87	3/4	5,609.56	3/4	5,997.90	3/4	6,385.96	3/4	6,771.60	3/4	7,142.08	3/4	7,541.40
6	4,067.19	6	4,456.10	6	4,844.36	6	5,230.87	6	5,617.66	6	6,006.00	6	6,394.04	6	6,779.68	6	7,150.16	6	7,549.52
1/4	4,075.29	1/4	4,464.20	1/4	4,852.43	1/4	5,238.88	1/4	5,625.76	1/4	6,014.10	1/4	6,402.12	1/4	6,787.80	1/4	7,158.24	1/4	7,557.64
1/2	4,083.39	1/2	4,472.31	1/2	4,860.49	1/2	5,246.88	1/2	5,633.86	1/2	6,022.20	1/2	6,410.20	1/2	6,795.92	1/2	7,166.32	1/2	7,565.76
3/4	4,091.49	3/4	4,480.41	3/4	4,868.56	3/4	5,254.88	3/4	5,641.96	3/4	6,030.30	3/4	6,418.28	3/4	6,803.00	3/4	7,174.40	3/4	7,573.88
7	4,099.60	7	4,488.51	7	4,876.62	7	5,262.88	7	5,649.06	7	6,038.40	7	6,426.36	7	6,811.04	7	7,182.48	7	7,582.00
1/4	4,107.70	1/4	4,496.61	1/4	4,884.68	1/4	5,270.89	1/4	5,657.16	1/4	6,046.50	1/4	6,434.40	1/4	6,819.12	1/4	7,190.56	1/4	7,590.12
1/2	4,115.80	1/2	4,504.72	1/2	4,892.75	1/2	5,278.89	1/2	5,665.26	1/2	6,054.60	1/2	6,442.48	1/2	6,827.20	1/2	7,198.64	1/2	7,598.24
3/4	4,123.90	3/4	4,512.82	3/4	4,900.81	3/4	5,286.89	3/4	5,673.36	3/4	6,062.70	3/4	6,450.56	3/4	6,835.28	3/4	7,206.72	3/4	7,606.36
8	4,132.00	8	4,520.92	8	4,908.87	8	5,294.90	8	5,681.44	8	6,070.80	8	6,458.64	8	6,843.36	8	7,214.80	8	7,614.48
1/4	4,140.11	1/4	4,529.02	1/4	4,916.94	1/4	5,302.91	1/4	5,689.52	1/4	6,078.90	1/4	6,466.72	1/4	6,851.44	1/4	7,222.88	1/4	7,622.60
1/2	4,148.21	1/2	4,537.12	1/2	4,925.00	1/2	5,310.91	1/2	5,697.60	1/2	6,086.90	1/2	6,474.80	1/2	6,859.52	1/2	7,230.96	1/2	7,630.72
3/4	4,156.31	3/4	4,545.23	3/4	4,933.07	3/4	5,318.41	3/4	5,705.68	3/4	6,094.90	3/4	6,482.88	3/4	6,867.60	3/4	7,239.04	3/4	7,638.84
9	4,164.41	9	4,553.33	9	4,941.13	9	5,325.92	9	5,713.20	9	6,102.80	9	6,490.96	9	6,875.72	9	7,247.12	9	7,646.96
1/4	4,172.52	1/4	4,561.43	1/4	4,949.19	1/4	5,333.42	1/4	5,721.28	1/4	6,110.80	1/4	6,499.04	1/4	6,883.84	1/4	7,255.20	1/4	7,655.04
1/2	4,180.62	1/2	4,569.53	1/2	4,957.26	1/2	5,340.92	1/2	5,729.36	1/2	6,118.90	1/2	6,507.12	1/2	6,891.92	1/2	7,263.28	1/2	7,663.12
3/4	4,188.72	3/4	4,577.64	3/4	4,965.32	3/4	5,348.41	3/4	5,737.46	3/4	6,126.90	3/4	6,515.20	3/4	6,900.00	3/4	7,271.36	3/4	7,671.24
10	4,196.82	10	4,585.74	10	4,973.38	10	5,353.56	10	5,745.60	10	6,134.90	10	6,523.28	10	6,908.04	10	7,279.44	10	7,679.36
1/4	4,204.93	1/4	4,593.84	1/4	4,981.45	1/4	5,359.88	1/4	5,753.76	1/4	6,142.90	1/4	6,531.36	1/4	6,916.16	1/4	7,287.52	1/4	7,687.48
1/2	4,213.03	1/2	4,601.94	1/2	4,989.51	1/2	5,366.20	1/2	5,761.84	1/2	6,150.90	1/2	6,539.52	1/2	6,924.24	1/2	7,295.60	1/2	7,695.60
3/4	4,221.13	3/4	4,610.05	3/4	4,997.58	3/4	5,371.16	3/4	5,769.92	3/4	6,158.90	3/4	6,547.68	3/4	6,932.40	3/4	7,303.68	3/4	7,703.72
11	4,229.23	11	4,618.15	11	5,005.64	11	5,376.13	11	5,778.00	11	6,166.90	11	6,555.84	11	6,940.56	11	7,311.76	11	7,711.84
1/4	4,237.34	1/4	4,626.25	1/4	5,013.70	1/4	5,381.10	1/4	5,786.08	1/4	6,174.90	1/4	6,563.92	1/4	6,948.64	1/4	7,319.84	1/4	7,719.92
1/2	4,245.44	1/2	4,634.35	1/2	5,021.77	1/2	5,386.07	1/2	5,794.16	1/2	6,182.90	1/2	6,571.84	1/2	6,956.72	1/2	7,327.92	1/2	7,728.00
3/4	4,253.54	3/4	4,642.46	3/4	5,029.83	3/4	5,394.16	3/4	5,802.24	3/4	6,190.90	3/4	6,579.76	3/4	6,964.80	3/4	7,335.96	3/4	7,736.08

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "EMS 3057"

2 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	29.04	0	389.80	0	775.16	0	1,155.07	0	1,532.57	0	1,921.14	0	2,309.70	0	2,698.26	0	3,086.58	0	3,474.89
1/4	33.26	1/4	397.73	1/4	783.25	1/4	1,162.75	1/4	1,540.67	1/4	1,929.23	1/4	2,317.80	1/4	2,706.36	1/4	3,094.67	1/4	3,482.98
1/2	37.47	1/2	405.65	1/2	791.34	1/2	1,170.43	1/2	1,548.76	1/2	1,937.33	1/2	2,325.89	1/2	2,714.45	1/2	3,102.76	1/2	3,491.07
3/4	43.04	3/4	413.58	3/4	799.44	3/4	1,178.11	3/4	1,556.86	3/4	1,945.42	3/4	2,333.99	3/4	2,722.54	3/4	3,110.85	3/4	3,499.16
1	48.61	1	421.51	1	807.53	1	1,185.90	1	1,564.95	1	1,953.52	1	2,342.08	1	2,730.63	1	3,118.94	1	3,507.25
1 1/4	54.17	1 1/4	429.43	1 1/4	815.62	1 1/4	1,193.48	1 1/4	1,573.05	1 1/4	1,961.61	1 1/4	2,350.18	1 1/4	2,738.72	1 1/4	3,127.03	1 1/4	3,515.34
1 1/2	59.74	1 1/2	437.36	1 1/2	823.71	1 1/2	1,201.16	1 1/2	1,581.14	1 1/2	1,969.71	1 1/2	2,358.27	1 1/2	2,746.81	1 1/2	3,135.12	1 1/2	3,523.43
3/4	66.65	3/4	445.29	3/4	831.81	3/4	1,208.84	3/4	1,589.24	3/4	1,977.80	3/4	2,366.37	3/4	2,754.90	3/4	3,143.21	3/4	3,531.52
2	73.57	2	453.22	2	839.90	2	1,216.53	2	1,597.33	2	1,985.90	2	2,374.46	2	2,762.99	2	3,151.30	2	3,539.61
1 1/4	80.48	1 1/4	461.14	1 1/4	847.99	1 1/4	1,224.21	1 1/4	1,605.43	1 1/4	1,993.99	1 1/4	2,382.56	1 1/4	2,771.08	1 1/4	3,159.39	1 1/4	3,547.70
1 1/2	87.40	1 1/2	469.07	1 1/2	856.09	1 1/2	1,231.89	1 1/2	1,613.52	1 1/2	2,002.09	1 1/2	2,390.65	1 1/2	2,779.17	1 1/2	3,167.48	1 1/2	3,555.79
3/4	95.16	3/4	477.00	3/4	864.18	3/4	1,239.57	3/4	1,621.62	3/4	2,010.18	3/4	2,398.75	3/4	2,787.26	3/4	3,175.57	3/4	3,563.88
3	102.92	3	484.93	3	872.27	3	1,247.26	3	1,629.71	3	2,018.28	3	2,406.84	3	2,795.35	3	3,183.66	3	3,571.97
1 1/4	110.68	1 1/4	492.86	1 1/4	880.36	1 1/4	1,254.94	1 1/4	1,637.81	1 1/4	2,026.37	1 1/4	2,414.94	1 1/4	2,803.44	1 1/4	3,191.75	1 1/4	3,580.06
1 1/2	118.43	1 1/2	500.80	1 1/2	888.46	1 1/2	1,262.62	1 1/2	1,645.90	1 1/2	2,034.47	1 1/2	2,423.03	1 1/2	2,811.53	1 1/2	3,199.84	1 1/2	3,588.15
3/4	126.36	3/4	508.73	3/4	896.55	3/4	1,270.30	3/4	1,654.00	3/4	2,042.56	3/4	2,431.13	3/4	2,819.62	3/4	3,207.93	3/4	3,596.24
4	134.29	4	516.66	4	904.64	4	1,277.99	4	1,662.09	4	2,050.66	4	2,439.22	4	2,827.71	4	3,216.02	4	3,604.33
1 1/4	142.22	1 1/4	524.60	1 1/4	912.74	1 1/4	1,285.67	1 1/4	1,670.19	1 1/4	2,058.75	1 1/4	2,447.32	1 1/4	2,835.80	1 1/4	3,224.11	1 1/4	3,612.42
1 1/2	150.14	1 1/2	532.53	1 1/2	920.83	1 1/2	1,293.36	1 1/2	1,678.28	1 1/2	2,066.85	1 1/2	2,455.41	1 1/2	2,843.89	1 1/2	3,232.20	1 1/2	3,620.51
3/4	158.07	3/4	540.58	3/4	928.92	3/4	1,301.04	3/4	1,686.38	3/4	2,074.94	3/4	2,463.51	3/4	2,851.98	3/4	3,240.29	3/4	3,628.60
5	166.00	5	548.64	5	937.01	5	1,308.73	5	1,694.47	5	2,083.04	5	2,471.60	5	2,860.07	5	3,248.38	5	3,636.69
1 1/4	173.92	1 1/4	556.69	1 1/4	945.11	1 1/4	1,316.41	1 1/4	1,702.57	1 1/4	2,091.13	1 1/4	2,479.70	1 1/4	2,868.16	1 1/4	3,256.47	1 1/4	3,644.78
1 1/2	181.85	1 1/2	564.74	1 1/2	953.20	1 1/2	1,324.10	1 1/2	1,710.66	1 1/2	2,099.23	1 1/2	2,487.79	1 1/2	2,876.25	1 1/2	3,264.56	1 1/2	3,652.87
3/4	189.89	3/4	572.83	3/4	961.29	3/4	1,331.79	3/4	1,718.76	3/4	2,107.32	3/4	2,495.89	3/4	2,884.34	3/4	3,272.65	3/4	3,660.96
6	197.94	6	580.93	6	969.39	6	1,339.49	6	1,726.86	6	2,115.42	6	2,503.98	6	2,892.43	6	3,280.74	6	3,669.05
1 1/4	205.98	1 1/4	589.02	1 1/4	977.48	1 1/4	1,347.18	1 1/4	1,734.95	1 1/4	2,123.51	1 1/4	2,512.08	1 1/4	2,900.52	1 1/4	3,288.83	1 1/4	3,677.14
1 1/2	214.02	1 1/2	597.11	1 1/2	985.57	1 1/2	1,354.88	1 1/2	1,743.05	1 1/2	2,131.61	1 1/2	2,520.17	1 1/2	2,908.61	1 1/2	3,296.92	1 1/2	3,685.23
3/4	222.10	3/4	605.21	3/4	993.37	3/4	1,362.87	3/4	1,751.14	3/4	2,139.71	3/4	2,528.27	3/4	2,916.70	3/4	3,305.01	3/4	3,693.32
7	230.18	7	613.30	7	1,001.16	7	1,370.87	7	1,759.24	7	2,147.80	7	2,536.37	7	2,924.79	7	3,313.10	7	3,701.41
1 1/4	238.26	1 1/4	621.39	1 1/4	1,008.95	1 1/4	1,378.86	1 1/4	1,767.33	1 1/4	2,155.90	1 1/4	2,544.46	1 1/4	2,932.88	1 1/4	3,321.19	1 1/4	3,709.50
1 1/2	246.34	1 1/2	629.48	1 1/2	1,016.75	1 1/2	1,386.86	1 1/2	1,775.43	1 1/2	2,163.99	1 1/2	2,552.56	1 1/2	2,940.97	1 1/2	3,329.28	1 1/2	3,717.59
3/4	254.42	3/4	637.58	3/4	1,024.44	3/4	1,394.96	3/4	1,783.52	3/4	2,172.09	3/4	2,560.65	3/4	2,949.06	3/4	3,337.37	3/4	3,725.68
8	262.50	8	645.67	8	1,032.12	8	1,403.05	8	1,791.62	8	2,180.18	8	2,568.75	8	2,957.15	8	3,345.46	8	3,733.77
1 1/4	270.58	1 1/4	653.76	1 1/4	1,039.81	1 1/4	1,411.15	1 1/4	1,799.71	1 1/4	2,188.28	1 1/4	2,576.84	1 1/4	2,965.24	1 1/4	3,353.55	1 1/4	3,741.86
1 1/2	278.66	1 1/2	661.86	1 1/2	1,047.50	1 1/2	1,419.24	1 1/2	1,807.81	1 1/2	2,196.37	1 1/2	2,584.94	1 1/2	2,973.33	1 1/2	3,361.64	1 1/2	3,749.95
3/4	286.63	3/4	669.95	3/4	1,055.18	3/4	1,427.34	3/4	1,815.90	3/4	2,204.47	3/4	2,593.03	3/4	2,981.42	3/4	3,369.73	3/4	3,758.04
9	294.60	9	678.04	9	1,062.87	9	1,435.43	9	1,824.00	9	2,212.56	9	2,601.13	9	2,989.51	9	3,377.82	9	3,766.13
1 1/4	302.56	1 1/4	686.13	1 1/4	1,070.55	1 1/4	1,443.53	1 1/4	1,832.09	1 1/4	2,220.66	1 1/4	2,609.22	1 1/4	2,997.60	1 1/4	3,385.91	1 1/4	3,774.22
1 1/2	310.53	1 1/2	694.23	1 1/2	1,078.24	1 1/2	1,451.62	1 1/2	1,840.19	1 1/2	2,228.75	1 1/2	2,617.32	1 1/2	3,005.69	1 1/2	3,394.00	1 1/2	3,782.31
3/4	318.45	3/4	702.32	3/4	1,085.92	3/4	1,459.72	3/4	1,848.28	3/4	2,236.85	3/4	2,625.41	3/4	3,013.78	3/4	3,402.09	3/4	3,790.40
10	326.38	10	710.41	10	1,093.61	10	1,467.81	10	1,856.38	10	2,244.94	10	2,633.54	10	3,021.87	10	3,410.18	10	3,798.49
1 1/4	334.31	1 1/4	718.51	1 1/4	1,101.29	1 1/4	1,475.91	1 1/4	1,864.47	1 1/4	2,253.04	1 1/4	2,641.60	1 1/4	3,029.96	1 1/4	3,418.27	1 1/4	3,806.58
1 1/2	342.23	1 1/2	726.60	1 1/2	1,108.97	1 1/2	1,484.00	1 1/2	1,872.57	1 1/2	2,261.13	1 1/2	2,649.70	1 1/2	3,038.04	1 1/2	3,426.36	1 1/2	3,814.67
3/4	350.16	3/4	734.69	3/4	1,116.65	3/4	1,492.10	3/4	1,880.66	3/4	2,269.23	3/4	2,657.79	3/4	3,046.13	3/4	3,434.45	3/4	3,822.76
11	358.09	11	742.79	11	1,124.34	11	1,500.19	11	1,888.76	11	2,277.32	11	2,665.89	11	3,054.22	11	3,442.53	11	3,830.85
1 1/4	366.02	1 1/4	750.88	1 1/4	1,132.02	1 1/4	1,508.29	1 1/4	1,896.85	1 1/4	2,285.42	1 1/4	2,673.98	1 1/4	3,062.31	1 1/4	3,450.62	1 1/4	3,838.94
1 1/2	373.94	1 1/2	758.97	1 1/2	1,139.70	1 1/2	1,516.38	1 1/2	1,904.95	1 1/2	2,293.51	1 1/2	2,682.08	1 1/2	3,070.40	1 1/2	3,458.71	1 1/2	3,847.02
3/4	381.87	3/4	767.06	3/4	1,147.38	3/4	1,524.48	3/4	1,913.04	3/4	2,301.61	3/4	2,690.17	3/4	3,078.49	3/4	3,466.80	3/4	3,855.11

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



BARGE "EMS 3057"

2 STBD INNAGE TABLE

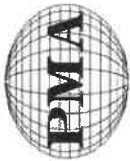
CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	3,863.20	0	4,251.51	0	4,639.83	0	5,026.56	0	5,413.29	0	5,800.02	0	6,186.75	0	6,573.48	0	6,960.21	0	7,346.94
1/4	3,871.29	1/4	4,259.60	1/4	4,647.92	1/4	5,034.61	1/4	5,421.34	1/4	5,808.07	1/4	6,194.80	1/4	6,581.53	1/4	6,968.26	1/4	7,354.99
1/2	3,879.38	1/2	4,267.69	1/2	4,656.00	1/2	5,042.66	1/2	5,429.39	1/2	5,816.12	1/2	6,202.85	1/2	6,589.58	1/2	6,976.31	1/2	7,363.04
3/4	3,887.47	3/4	4,275.78	3/4	4,664.09	3/4	5,049.72	3/4	5,437.45	3/4	5,824.18	3/4	6,210.71	3/4	6,597.44	3/4	6,984.17	3/4	7,371.17
1	3,895.56	1	4,283.87	1	4,672.18	1	5,058.77	1	5,445.50	1	5,832.23	1	6,215.46	1	6,602.19	1	6,988.92	1	7,379.26
1/4	3,903.65	1/4	4,291.96	1/4	4,680.27	1/4	5,066.82	1/4	5,453.55	1/4	5,840.28	1/4	6,223.74	1/4	6,610.47	1/4	6,997.21	1/4	7,387.35
1/2	3,911.74	1/2	4,300.05	1/2	4,688.36	1/2	5,074.87	1/2	5,461.64	1/2	5,848.37	1/2	6,231.83	1/2	6,618.56	1/2	7,005.30	1/2	7,395.44
3/4	3,919.83	3/4	4,308.14	3/4	4,696.43	3/4	5,082.92	3/4	5,469.73	3/4	5,856.46	3/4	6,239.92	3/4	6,626.65	3/4	7,013.39	3/4	7,403.53
2	3,927.92	2	4,316.23	2	4,704.49	2	5,090.97	2	5,482.02	2	5,874.55	2	6,254.04	2	6,641.74	2	7,021.48	2	7,411.62
1/4	3,936.01	1/4	4,324.32	1/4	4,712.55	1/4	5,099.02	1/4	5,490.11	1/4	5,882.64	1/4	6,262.13	1/4	6,650.33	1/4	7,029.57	1/4	7,419.71
1/2	3,944.10	1/2	4,332.41	1/2	4,720.61	1/2	5,107.08	1/2	5,501.20	1/2	5,893.73	1/2	6,270.22	1/2	6,658.42	1/2	7,037.66	1/2	7,427.80
3/4	3,952.19	3/4	4,340.50	3/4	4,728.66	3/4	5,115.13	3/4	5,513.29	3/4	5,905.82	3/4	6,278.31	3/4	6,666.51	3/4	7,045.75	3/4	7,435.94
3	3,960.28	3	4,348.59	3	4,736.72	3	5,123.18	3	5,521.48	3	5,913.61	3	6,286.40	3	6,674.60	3	7,053.89	3	7,444.08
1/4	3,968.37	1/4	4,356.68	1/4	4,744.77	1/4	5,131.23	1/4	5,529.57	1/4	5,921.74	1/4	6,294.49	1/4	6,682.69	1/4	7,062.03	1/4	7,452.22
1/2	3,976.46	1/2	4,364.77	1/2	4,752.82	1/2	5,139.28	1/2	5,537.66	1/2	5,929.83	1/2	6,302.58	1/2	6,690.78	1/2	7,070.17	1/2	7,460.36
3/4	3,984.55	3/4	4,372.86	3/4	4,760.87	3/4	5,147.29	3/4	5,545.75	3/4	5,937.92	3/4	6,310.67	3/4	6,698.87	3/4	7,078.31	3/4	7,468.50
4	3,992.64	4	4,380.95	4	4,768.92	4	5,155.29	4	5,553.84	4	5,946.01	4	6,318.76	4	6,706.96	4	7,086.45	4	7,476.64
1/4	4,000.73	1/4	4,389.04	1/4	4,776.97	1/4	5,163.30	1/4	5,561.93	1/4	5,954.10	1/4	6,326.85	1/4	6,715.05	1/4	7,094.59	1/4	7,484.78
1/2	4,008.82	1/2	4,397.13	1/2	4,785.02	1/2	5,171.30	1/2	5,569.42	1/2	5,962.19	1/2	6,334.94	1/2	6,723.14	1/2	7,102.73	1/2	7,492.92
3/4	4,016.91	3/4	4,405.22	3/4	4,793.07	3/4	5,179.29	3/4	5,577.51	3/4	5,970.28	3/4	6,343.03	3/4	6,731.23	3/4	7,110.87	3/4	7,501.06
5	4,025.00	5	4,413.31	5	4,801.13	5	5,187.28	5	5,585.60	5	5,978.37	5	6,351.12	5	6,739.32	5	7,118.96	5	7,509.20
1/4	4,033.09	1/4	4,421.40	1/4	4,809.18	1/4	5,195.27	1/4	5,593.69	1/4	5,986.46	1/4	6,359.21	1/4	6,747.41	1/4	7,127.10	1/4	7,517.34
1/2	4,041.18	1/2	4,429.49	1/2	4,817.23	1/2	5,203.26	1/2	5,601.78	1/2	5,994.55	1/2	6,367.30	1/2	6,755.50	1/2	7,135.24	1/2	7,525.48
3/4	4,049.27	3/4	4,437.58	3/4	4,825.28	3/4	5,211.25	3/4	5,609.87	3/4	6,002.64	3/4	6,375.39	3/4	6,763.59	3/4	7,143.33	3/4	7,533.62
6	4,057.36	6	4,445.67	6	4,833.33	6	5,219.24	6	5,617.76	6	6,010.73	6	6,383.48	6	6,771.68	6	7,151.42	6	7,541.76
1/4	4,065.45	1/4	4,453.76	1/4	4,841.38	1/4	5,227.23	1/4	5,625.85	1/4	6,018.82	1/4	6,391.57	1/4	6,779.77	1/4	7,159.51	1/4	7,549.89
1/2	4,073.54	1/2	4,461.85	1/2	4,849.43	1/2	5,235.22	1/2	5,633.96	1/2	6,026.91	1/2	6,400.66	1/2	6,787.86	1/2	7,167.60	1/2	7,558.02
3/4	4,081.63	3/4	4,469.94	3/4	4,857.48	3/4	5,243.21	3/4	5,642.05	3/4	6,034.00	3/4	6,408.75	3/4	6,795.95	3/4	7,175.69	3/4	7,566.16
7	4,089.72	7	4,478.03	7	4,865.54	7	5,251.20	7	5,650.14	7	6,042.09	7	6,416.84	7	6,804.04	7	7,183.78	7	7,574.29
1/4	4,097.81	1/4	4,486.12	1/4	4,873.59	1/4	5,259.19	1/4	5,658.23	1/4	6,050.18	1/4	6,424.93	1/4	6,812.13	1/4	7,191.87	1/4	7,582.42
1/2	4,105.90	1/2	4,494.21	1/2	4,881.64	1/2	5,267.18	1/2	5,666.37	1/2	6,058.27	1/2	6,432.02	1/2	6,820.22	1/2	7,200.01	1/2	7,590.56
3/4	4,113.99	3/4	4,502.30	3/4	4,889.69	3/4	5,275.17	3/4	5,674.50	3/4	6,066.36	3/4	6,440.11	3/4	6,828.31	3/4	7,208.10	3/4	7,598.69
8	4,122.08	8	4,510.39	8	4,897.74	8	5,283.17	8	5,682.59	8	6,074.45	8	6,448.20	8	6,836.40	8	7,216.19	8	7,606.82
1/4	4,130.17	1/4	4,518.48	1/4	4,905.79	1/4	5,291.16	1/4	5,690.72	1/4	6,082.54	1/4	6,456.29	1/4	6,844.49	1/4	7,224.28	1/4	7,614.95
1/2	4,138.26	1/2	4,526.57	1/2	4,913.84	1/2	5,299.15	1/2	5,700.81	1/2	6,090.63	1/2	6,464.38	1/2	6,852.58	1/2	7,232.37	1/2	7,623.04
3/4	4,146.35	3/4	4,534.66	3/4	4,921.90	3/4	5,306.64	3/4	5,708.90	3/4	6,100.72	3/4	6,472.47	3/4	6,860.67	3/4	7,240.46	3/4	7,631.13
9	4,154.44	9	4,542.75	9	4,929.95	9	5,314.13	9	5,716.01	9	6,108.84	9	6,480.56	9	6,868.76	9	7,248.55	9	7,639.22
1/4	4,162.53	1/4	4,550.84	1/4	4,938.00	1/4	5,321.62	1/4	5,724.10	1/4	6,116.93	1/4	6,488.65	1/4	6,876.85	1/4	7,256.64	1/4	7,647.31
1/2	4,170.62	1/2	4,558.93	1/2	4,946.05	1/2	5,329.11	1/2	5,732.59	1/2	6,125.02	1/2	6,496.74	1/2	6,884.94	1/2	7,264.73	1/2	7,655.39
3/4	4,178.71	3/4	4,567.02	3/4	4,954.10	3/4	5,335.42	3/4	5,740.08	3/4	6,133.11	3/4	6,504.83	3/4	6,893.03	3/4	7,272.82	3/4	7,663.48
10	4,186.80	10	4,575.11	10	4,962.15	10	5,341.73	10	5,747.01	10	6,141.20	10	6,512.92	10	6,901.12	10	7,280.91	10	7,671.57
1/4	4,194.89	1/4	4,583.20	1/4	4,970.20	1/4	5,348.04	1/4	5,754.49	1/4	6,149.29	1/4	6,521.01	1/4	6,909.21	1/4	7,289.00	1/4	7,679.66
1/2	4,202.98	1/2	4,591.29	1/2	4,978.25	1/2	5,354.35	1/2	5,760.94	1/2	6,157.38	1/2	6,529.10	1/2	6,917.30	1/2	7,297.09	1/2	7,687.75
3/4	4,211.07	3/4	4,599.38	3/4	4,986.31	3/4	5,359.51	3/4	5,768.07	3/4	6,165.47	3/4	6,537.21	3/4	6,925.39	3/4	7,305.18	3/4	7,695.84
11	4,219.16	11	4,607.47	11	4,994.36	11	5,364.27	11	5,776.16	11	6,173.56	11	6,545.30	11	6,933.42	11	7,313.27	11	7,703.93
1/4	4,227.25	1/4	4,615.56	1/4	5,002.41	1/4	5,369.22	1/4	5,784.25	1/4	6,181.65	1/4	6,553.43	1/4	6,941.51	1/4	7,321.36	1/4	7,712.02
1/2	4,235.34	1/2	4,623.65	1/2	5,010.46	1/2	5,374.18	1/2	5,792.34	1/2	6,189.74	1/2	6,561.52	1/2	6,949.60	1/2	7,329.45	1/2	7,720.11
3/4	4,243.43	3/4	4,631.74	3/4	5,018.51	3/4	5,381.11	3/4	5,800.43	3/4	6,197.83	3/4	6,569.61	3/4	6,957.69	3/4	7,337.54	3/4	7,728.20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2024 JS
 CALCULATED: 06/21/2024 JS
 PRINTED: 06/21/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2024

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



BARGE "EMS 3057"

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	28.08	0	363.66	0	722.16	0	1,082.30	0	1,441.07	0	1,798.25	0	2,158.78	0	2,519.00	0	2,872.99	0	3,196.25
1/4	31.99	1/4	371.04	1/4	729.69	1/4	1,089.75	1/4	1,448.46	1/4	1,805.77	1/4	2,166.28	1/4	2,526.51	1/4	2,877.74	1/4	3,203.79
1/2	35.91	1/2	378.41	1/2	737.22	1/2	1,097.20	1/2	1,455.86	1/2	1,813.29	1/2	2,173.78	1/2	2,534.02	1/2	2,882.48	1/2	3,211.33
3/4	41.09	3/4	385.79	3/4	744.75	3/4	1,104.65	3/4	1,463.21	3/4	1,820.80	3/4	2,181.28	3/4	2,541.53	3/4	2,886.32	3/4	3,218.88
1	46.26	1	393.16	1	752.27	1	1,112.10	1	1,470.56	1	1,828.32	1	2,188.78	1	2,549.03	1	2,890.15	1	3,226.42
1/4	51.43	1/4	400.54	1/4	759.80	1/4	1,119.55	1/4	1,477.91	1/4	1,835.84	1/4	2,196.28	1/4	2,556.54	1/4	2,893.99	1/4	3,233.96
1/2	56.61	1/2	407.91	1/2	767.33	1/2	1,127.01	1/2	1,485.26	1/2	1,843.35	1/2	2,203.78	1/2	2,564.05	1/2	2,897.83	1/2	3,241.50
3/4	63.04	3/4	415.29	3/4	774.86	3/4	1,134.46	3/4	1,492.61	3/4	1,850.87	3/4	2,211.28	3/4	2,571.56	3/4	2,901.70	3/4	3,249.04
2	69.47	2	422.66	2	782.38	2	1,141.91	2	1,499.96	2	1,858.39	2	2,218.78	2	2,579.06	2	2,905.57	2	3,256.59
1/4	75.90	1/4	430.04	1/4	789.91	1/4	1,149.36	1/4	1,507.32	1/4	1,865.91	1/4	2,226.28	1/4	2,586.57	1/4	2,909.45	1/4	3,264.13
1/2	82.33	1/2	437.41	1/2	797.44	1/2	1,156.81	1/2	1,514.67	1/2	1,873.42	1/2	2,233.78	1/2	2,594.08	1/2	2,913.32	1/2	3,271.67
3/4	89.54	3/4	444.80	3/4	804.97	3/4	1,164.26	3/4	1,522.02	3/4	1,880.94	3/4	2,241.29	3/4	2,601.59	3/4	2,917.20	3/4	3,279.21
3	96.76	3	452.18	3	812.50	3	1,171.71	3	1,529.37	3	1,888.46	3	2,248.79	3	2,609.09	3	2,924.75	3	3,286.75
1/4	103.98	1/4	459.56	1/4	820.02	1/4	1,179.17	1/4	1,536.72	1/4	1,895.97	1/4	2,256.29	1/4	2,616.60	1/4	2,932.29	1/4	3,294.29
1/2	111.19	1/2	466.94	1/2	827.55	1/2	1,186.62	1/2	1,544.07	1/2	1,903.49	1/2	2,263.79	1/2	2,624.11	1/2	2,939.83	1/2	3,301.84
3/4	118.57	3/4	474.32	3/4	835.08	3/4	1,194.07	3/4	1,551.42	3/4	1,911.01	3/4	2,271.29	3/4	2,631.60	3/4	2,947.37	3/4	3,309.38
4	125.94	4	481.70	4	842.61	4	1,201.52	4	1,558.78	4	1,918.52	4	2,278.79	4	2,639.08	4	2,954.91	4	3,316.92
1/4	133.32	1/4	489.08	1/4	850.13	1/4	1,208.98	1/4	1,566.13	1/4	1,926.04	1/4	2,286.29	1/4	2,646.57	1/4	2,962.45	1/4	3,324.46
1/2	140.69	1/2	496.46	1/2	857.66	1/2	1,216.43	1/2	1,573.48	1/2	1,933.56	1/2	2,293.79	1/2	2,654.06	1/2	2,970.00	1/2	3,332.00
3/4	148.06	3/4	503.86	3/4	865.19	3/4	1,223.89	3/4	1,580.83	3/4	1,941.08	3/4	2,301.29	3/4	2,661.54	3/4	2,977.54	3/4	3,339.54
5	155.44	5	511.45	5	872.72	5	1,231.34	5	1,588.18	5	1,948.60	5	2,308.79	5	2,669.02	5	2,985.08	5	3,347.09
1/4	162.81	1/4	518.84	1/4	880.25	1/4	1,238.79	1/4	1,595.53	1/4	1,956.13	1/4	2,316.29	1/4	2,676.50	1/4	2,992.62	1/4	3,354.63
1/2	170.19	1/2	526.44	1/2	887.77	1/2	1,246.25	1/2	1,602.88	1/2	1,963.65	1/2	2,323.79	1/2	2,683.98	1/2	3,000.16	1/2	3,362.17
3/4	177.57	3/4	533.96	3/4	895.30	3/4	1,253.89	3/4	1,610.36	3/4	1,971.17	3/4	2,331.29	3/4	2,691.46	3/4	3,007.71	3/4	3,369.71
6	185.15	6	541.49	6	902.83	6	1,261.18	6	1,617.85	6	1,978.78	6	2,338.79	6	2,698.94	6	3,015.25	6	3,377.25
1/4	192.64	1/4	549.02	1/4	910.36	1/4	1,268.64	1/4	1,625.33	1/4	1,986.22	1/4	2,346.29	1/4	2,706.42	1/4	3,022.79	1/4	3,384.80
1/2	200.12	1/2	556.55	1/2	917.88	1/2	1,276.10	1/2	1,632.81	1/2	1,993.75	1/2	2,353.79	1/2	2,713.90	1/2	3,030.33	1/2	3,392.34
3/4	207.64	3/4	564.08	3/4	925.40	3/4	1,283.59	3/4	1,640.33	3/4	2,001.26	3/4	2,361.30	3/4	2,721.38	3/4	3,037.87	3/4	3,399.88
7	215.15	7	571.61	7	932.91	7	1,291.07	7	1,647.86	7	2,008.76	7	2,368.81	7	2,728.86	7	3,045.41	7	3,407.42
1/4	222.67	1/4	579.13	1/4	940.42	1/4	1,298.55	1/4	1,655.38	1/4	2,016.27	1/4	2,376.31	1/4	2,736.34	1/4	3,052.96	1/4	3,414.96
1/2	230.19	1/2	586.66	1/2	947.93	1/2	1,306.04	1/2	1,662.91	1/2	2,023.78	1/2	2,383.82	1/2	2,743.82	1/2	3,060.50	1/2	3,422.50
3/4	237.71	3/4	594.19	3/4	955.43	3/4	1,313.52	3/4	1,670.44	3/4	2,031.28	3/4	2,391.33	3/4	2,751.30	3/4	3,068.04	3/4	3,430.05
8	245.23	8	601.72	8	962.93	8	1,321.01	8	1,677.96	8	2,038.78	8	2,398.84	8	2,758.78	8	3,075.58	8	3,437.59
1/4	252.74	1/4	609.24	1/4	970.42	1/4	1,328.50	1/4	1,685.49	1/4	2,046.28	1/4	2,406.35	1/4	2,766.26	1/4	3,083.12	1/4	3,445.13
1/2	260.26	1/2	616.77	1/2	977.92	1/2	1,335.99	1/2	1,693.01	1/2	2,053.78	1/2	2,413.86	1/2	2,773.74	1/2	3,090.67	1/2	3,452.67
3/4	267.67	3/4	624.30	3/4	985.39	3/4	1,343.51	3/4	1,700.53	3/4	2,061.28	3/4	2,421.37	3/4	2,781.22	3/4	3,098.21	3/4	3,460.21
9	275.08	9	631.83	9	992.85	9	1,351.03	9	1,708.05	9	2,068.78	9	2,428.88	9	2,788.70	9	3,105.75	9	3,467.75
1/4	282.50	1/4	639.36	1/4	1,000.32	1/4	1,358.54	1/4	1,715.57	1/4	2,076.28	1/4	2,436.39	1/4	2,796.16	1/4	3,113.29	1/4	3,475.29
1/2	289.91	1/2	646.88	1/2	1,007.78	1/2	1,366.06	1/2	1,723.09	1/2	2,083.78	1/2	2,443.90	1/2	2,803.66	1/2	3,120.83	1/2	3,482.83
3/4	297.28	3/4	654.41	3/4	1,015.23	3/4	1,373.59	3/4	1,730.60	3/4	2,091.28	3/4	2,451.41	3/4	2,811.14	3/4	3,128.37	3/4	3,490.37
10	304.66	10	661.94	10	1,022.68	10	1,381.11	10	1,738.12	10	2,098.78	10	2,458.92	10	2,818.62	10	3,135.92	10	3,497.91
1/4	312.03	1/4	669.47	1/4	1,030.14	1/4	1,388.64	1/4	1,745.64	1/4	2,106.28	1/4	2,466.43	1/4	2,826.10	1/4	3,143.46	1/4	3,505.45
1/2	319.41	1/2	677.00	1/2	1,037.59	1/2	1,396.17	1/2	1,753.15	1/2	2,113.78	1/2	2,473.94	1/2	2,833.58	1/2	3,151.00	1/2	3,513.00
3/4	326.78	3/4	684.52	3/4	1,045.04	3/4	1,403.70	3/4	1,760.67	3/4	2,121.28	3/4	2,481.45	3/4	2,841.06	3/4	3,158.54	3/4	3,520.54
11	334.16	11	692.05	11	1,052.49	11	1,411.22	11	1,768.19	11	2,128.78	11	2,488.96	11	2,848.54	11	3,166.08	11	3,528.08
1/4	341.53	1/4	699.58	1/4	1,059.94	1/4	1,418.75	1/4	1,775.70	1/4	2,136.28	1/4	2,496.47	1/4	2,856.02	1/4	3,173.63	1/4	3,535.62
1/2	348.91	1/2	707.11	1/2	1,067.39	1/2	1,426.28	1/2	1,783.22	1/2	2,143.78	1/2	2,503.98	1/2	2,863.50	1/2	3,181.17	1/2	3,543.16
3/4	356.29	3/4	714.63	3/4	1,074.85	3/4	1,433.67	3/4	1,790.74	3/4	2,151.28	3/4	2,511.49	3/4	2,870.98	3/4	3,188.71	3/4	3,550.70

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



BARGE "EMS 3057"

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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	3,510.73	0	3,697.24	0	3,883.75	0	4,069.55	0	4,255.35	0	4,441.15	0	4,626.95	0	4,812.75	0	5,000.00	0	5,187.25
1/4	3,514.61	1/4	3,701.13	1/4	3,887.64	1/4	4,073.42	1/4	4,259.22	1/4	4,445.02	1/4	4,630.82	1/4	4,816.62	1/4	5,002.42	1/4	5,188.22
1/2	3,518.50	1/2	3,705.01	1/2	3,891.53	1/2	4,077.29	1/2	4,263.09	1/2	4,448.89	1/2	4,634.69	1/2	4,820.49	1/2	5,006.29	1/2	5,192.09
3/4	3,522.38	3/4	3,708.90	3/4	3,895.41	3/4	4,081.16	3/4	4,267.96	3/4	4,453.76	3/4	4,639.56	3/4	4,825.36	3/4	5,011.16	3/4	5,196.96
1	3,526.27	1	3,712.78	1	3,899.30	1	4,085.03	1	4,271.83	1	4,457.83	1	4,643.63	1	4,829.43	1	5,015.03	1	5,200.63
1/4	3,530.16	1/4	3,716.67	1/4	3,903.33	1/4	4,088.89	1/4	4,275.89	1/4	4,461.89	1/4	4,647.69	1/4	4,833.49	1/4	5,019.09	1/4	5,204.69
1/2	3,534.04	1/2	3,720.56	1/2	3,907.07	1/2	4,092.76	1/2	4,280.76	1/2	4,465.76	1/2	4,651.56	1/2	4,837.36	1/2	5,022.96	1/2	5,208.96
3/4	3,537.93	3/4	3,724.44	3/4	3,910.94	3/4	4,096.63	3/4	4,284.63	3/4	4,469.63	3/4	4,655.43	3/4	4,841.23	3/4	5,026.83	3/4	5,212.83
2	3,541.81	2	3,728.33	2	3,914.82	2	4,100.50	2	4,288.50	2	4,473.50	2	4,659.30	2	4,845.10	2	5,029.90	2	5,216.70
1/4	3,545.70	1/4	3,732.21	1/4	3,918.69	1/4	4,104.37	1/4	4,292.37	1/4	4,477.37	1/4	4,663.17	1/4	4,848.97	1/4	5,033.70	1/4	5,220.57
1/2	3,549.58	1/2	3,736.10	1/2	3,922.57	1/2	4,108.23	1/2	4,296.23	1/2	4,481.23	1/2	4,667.03	1/2	4,852.83	1/2	5,037.57	1/2	5,224.45
3/4	3,553.47	3/4	3,739.98	3/4	3,926.43	3/4	4,112.10	3/4	4,300.10	3/4	4,485.10	3/4	4,670.90	3/4	4,856.70	3/4	5,041.45	3/4	5,228.33
3	3,557.36	3	3,743.87	3	3,930.30	3	4,115.97	3	4,303.97	3	4,488.97	3	4,674.77	3	4,860.57	3	5,045.30	3	5,232.20
1/4	3,561.24	1/4	3,747.76	1/4	3,934.17	1/4	4,119.84	1/4	4,307.84	1/4	4,492.84	1/4	4,678.64	1/4	4,864.44	1/4	5,049.15	1/4	5,236.05
1/2	3,565.13	1/2	3,751.64	1/2	3,938.04	1/2	4,123.71	1/2	4,311.71	1/2	4,496.71	1/2	4,682.51	1/2	4,868.31	1/2	5,052.95	1/2	5,239.95
3/4	3,569.01	3/4	3,755.53	3/4	3,941.91	3/4	4,127.58	3/4	4,315.58	3/4	4,500.58	3/4	4,686.38	3/4	4,872.18	3/4	5,056.75	3/4	5,243.75
4	3,572.90	4	3,759.41	4	3,945.77	4	4,131.40	4	4,319.40	4	4,504.40	4	4,690.20	4	4,876.00	4	5,060.60	4	5,247.60
1/4	3,576.78	1/4	3,763.30	1/4	3,949.64	1/4	4,135.24	1/4	4,323.24	1/4	4,508.24	1/4	4,694.04	1/4	4,880.04	1/4	5,064.40	1/4	5,251.40
1/2	3,580.67	1/2	3,767.18	1/2	3,953.51	1/2	4,139.09	1/2	4,327.09	1/2	4,512.09	1/2	4,697.89	1/2	4,883.89	1/2	5,068.20	1/2	5,255.20
3/4	3,584.56	3/4	3,771.07	3/4	3,957.38	3/4	4,142.92	3/4	4,330.92	3/4	4,515.92	3/4	4,701.69	3/4	4,887.69	3/4	5,072.00	3/4	5,259.00
5	3,588.44	5	3,774.96	5	3,961.25	5	4,146.76	5	4,334.76	5	4,519.76	5	4,705.53	5	4,891.53	5	5,075.80	5	5,262.80
1/4	3,592.33	1/4	3,778.84	1/4	3,965.12	1/4	4,150.60	1/4	4,338.60	1/4	4,523.60	1/4	4,709.37	1/4	4,895.37	1/4	5,079.60	1/4	5,266.60
1/2	3,596.21	1/2	3,782.73	1/2	3,968.98	1/2	4,154.44	1/2	4,342.44	1/2	4,527.44	1/2	4,713.21	1/2	4,903.21	1/2	5,083.40	1/2	5,270.40
3/4	3,600.10	3/4	3,786.61	3/4	3,972.85	3/4	4,158.28	3/4	4,346.28	3/4	4,531.28	3/4	4,717.05	3/4	4,907.05	3/4	5,087.20	3/4	5,274.20
6	3,603.98	6	3,790.50	6	3,976.72	6	4,162.12	6	4,350.12	6	4,535.12	6	4,720.89	6	4,910.89	6	5,095.60	6	5,278.00
1/4	3,607.87	1/4	3,794.38	1/4	3,980.59	1/4	4,165.96	1/4	4,353.96	1/4	4,538.96	1/4	4,724.73	1/4	4,914.73	1/4	5,103.40	1/4	5,281.80
1/2	3,611.76	1/2	3,798.27	1/2	3,984.46	1/2	4,169.79	1/2	4,357.79	1/2	4,542.79	1/2	4,728.56	1/2	4,918.56	1/2	5,107.20	1/2	5,285.60
3/4	3,615.64	3/4	3,802.16	3/4	3,988.32	3/4	4,173.63	3/4	4,361.63	3/4	4,546.63	3/4	4,733.40	3/4	4,922.40	3/4	5,111.00	3/4	5,289.40
7	3,619.53	7	3,806.04	7	3,992.19	7	4,177.47	7	4,365.47	7	4,550.47	7	4,737.24	7	4,926.24	7	5,114.80	7	5,293.20
1/4	3,623.41	1/4	3,809.93	1/4	3,996.06	1/4	4,181.31	1/4	4,369.31	1/4	4,554.31	1/4	4,741.08	1/4	4,930.08	1/4	5,118.60	1/4	5,297.00
1/2	3,627.30	1/2	3,813.81	1/2	3,999.93	1/2	4,185.15	1/2	4,373.15	1/2	4,558.15	1/2	4,744.92	1/2	4,933.92	1/2	5,122.40	1/2	5,300.80
3/4	3,631.18	3/4	3,817.70	3/4	4,003.80	3/4	4,188.99	3/4	4,377.99	3/4	4,562.99	3/4	4,748.76	3/4	4,937.76	3/4	5,126.20	3/4	5,304.60
8	3,635.07	8	3,821.58	8	4,007.66	8	4,192.83	8	4,383.16	8	4,567.16	8	4,752.93	8	4,941.93	8	5,130.00	8	5,308.40
1/4	3,638.96	1/4	3,825.47	1/4	4,011.53	1/4	4,196.67	1/4	4,387.00	1/4	4,571.00	1/4	4,756.77	1/4	4,945.77	1/4	5,133.80	1/4	5,312.20
1/2	3,642.84	1/2	3,829.36	1/2	4,015.40	1/2	4,200.51	1/2	4,391.84	1/2	4,574.84	1/2	4,760.61	1/2	4,949.61	1/2	5,137.60	1/2	5,316.00
3/4	3,646.73	3/4	3,833.24	3/4	4,019.27	3/4	4,203.88	3/4	4,395.21	3/4	4,578.21	3/4	4,764.48	3/4	4,953.48	3/4	5,141.40	3/4	5,319.80
9	3,650.61	9	3,837.13	9	4,023.14	9	4,207.25	9	4,398.58	9	4,581.58	9	4,768.35	9	4,957.35	9	5,145.20	9	5,323.60
1/4	3,654.50	1/4	3,841.01	1/4	4,027.00	1/4	4,210.62	1/4	4,401.96	1/4	4,585.96	1/4	4,772.13	1/4	4,961.13	1/4	5,149.00	1/4	5,327.40
1/2	3,658.38	1/2	3,844.90	1/2	4,030.87	1/2	4,213.99	1/2	4,405.33	1/2	4,590.33	1/2	4,775.50	1/2	4,964.50	1/2	5,152.80	1/2	5,331.20
3/4	3,662.27	3/4	3,848.78	3/4	4,034.74	3/4	4,216.26	3/4	4,408.66	3/4	4,594.66	3/4	4,779.83	3/4	4,968.83	3/4	5,156.60	3/4	5,335.00
10	3,666.16	10	3,852.67	10	4,038.61	10	4,218.53	10	4,412.49	10	4,600.49	10	4,781.66	10	4,970.66	10	5,160.40	10	5,338.80
1/4	3,670.04	1/4	3,856.56	1/4	4,042.48	1/4	4,220.80	1/4	4,416.36	1/4	4,602.36	1/4	4,785.53	1/4	4,974.53	1/4	5,164.20	1/4	5,342.60
1/2	3,673.93	1/2	3,860.44	1/2	4,046.35	1/2	4,223.07	1/2	4,419.28	1/2	4,605.28	1/2	4,790.45	1/2	4,978.45	1/2	5,168.00	1/2	5,346.40
3/4	3,677.81	3/4	3,864.33	3/4	4,050.21	3/4	4,224.08	3/4	4,423.15	3/4	4,609.15	3/4	4,794.32	3/4	4,982.32	3/4	5,171.80	3/4	5,350.20
11	3,681.70	11	3,868.21	11	4,054.08	11	4,225.09	11	4,426.02	11	4,611.02	11	4,796.19	11	4,986.19	11	5,175.60	11	5,354.00
1/4	3,685.58	1/4	3,872.10	1/4	4,057.95	1/4	4,226.10	1/4	4,428.10	1/4	4,613.10	1/4	4,800.27	1/4	4,990.27	1/4	5,179.40	1/4	5,357.80
1/2	3,689.47	1/2	3,875.98	1/2	4,061.82	1/2	4,227.11	1/2	4,430.11	1/2	4,615.11	1/2	4,802.28	1/2	4,994.28	1/2	5,183.20	1/2	5,361.60
3/4	3,693.36	3/4	3,879.87	3/4	4,065.69	3/4	4,228.11	3/4	4,432.11	3/4	4,617.11	3/4	4,804.28	3/4	4,998.28	3/4	5,187.00	3/4	5,365.40

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2024 JS
 CALCULATED: 06/21/2024 JS
 PRINTED: 06/21/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2024

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



BARGE "EMS 3057"

3 STBD 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	28.05	0	363.58	0	720.77	0	1,070.66	0	1,416.94	0	1,773.95	0	2,134.29	0	2,494.33	0	2,848.14	0	3,171.40
1/4	31.96	1/4	370.93	1/4	728.30	1/4	1,077.76	1/4	1,424.33	1/4	1,781.46	1/4	2,141.79	1/4	2,501.83	1/4	2,852.88	1/4	3,178.94
1/2	35.88	1/2	378.28	1/2	735.82	1/2	1,084.85	1/2	1,431.72	1/2	1,788.97	1/2	2,149.29	1/2	2,509.34	1/2	2,857.62	1/2	3,186.49
3/4	41.05	3/4	385.62	3/4	743.24	3/4	1,091.95	3/4	1,439.07	3/4	1,796.48	3/4	2,156.78	3/4	2,516.84	3/4	2,861.45	3/4	3,194.03
1	46.23	1	392.97	1	750.67	1	1,099.04	1	1,446.42	1	1,804.00	1	2,164.28	1	2,524.35	1	2,865.28	1	3,201.57
1 1/4	51.40	1 1/4	400.31	1 1/4	758.09	1 1/4	1,106.14	1 1/4	1,453.77	1 1/4	1,811.51	1 1/4	2,171.78	1 1/4	2,531.85	1 1/4	2,869.11	1 1/4	3,209.12
1 1/2	56.57	1 1/2	407.65	1 1/2	765.52	1 1/2	1,113.24	1 1/2	1,461.11	1 1/2	1,819.02	1 1/2	2,179.27	1 1/2	2,539.35	1 1/2	2,872.95	1 1/2	3,216.66
3/4	63.00	3/4	414.99	3/4	772.91	3/4	1,120.33	3/4	1,468.46	3/4	1,826.54	3/4	2,186.77	3/4	2,546.86	3/4	2,876.82	3/4	3,224.20
2	69.43	2	422.34	2	780.30	2	1,127.43	2	1,475.81	2	1,834.05	2	2,194.27	2	2,554.36	2	2,880.69	2	3,231.74
1 1/4	75.86	1 1/4	429.68	1 1/4	787.69	1 1/4	1,134.53	1 1/4	1,483.16	1 1/4	1,841.56	1 1/4	2,201.76	1 1/4	2,561.87	1 1/4	2,884.56	1 1/4	3,239.29
1 1/2	82.30	1 1/2	437.02	1 1/2	795.08	1 1/2	1,141.62	1 1/2	1,490.50	1 1/2	1,849.08	1 1/2	2,209.26	1 1/2	2,569.37	1 1/2	2,888.44	1 1/2	3,246.83
3/4	89.51	3/4	444.37	3/4	802.47	3/4	1,148.72	3/4	1,497.85	3/4	1,856.59	3/4	2,216.76	3/4	2,576.87	3/4	2,892.32	3/4	3,254.37
3	96.73	3	451.72	3	809.85	3	1,155.81	3	1,505.20	3	1,864.10	3	2,224.25	3	2,584.38	3	2,899.86	3	3,261.91
1 1/4	103.94	1 1/4	459.06	1 1/4	817.24	1 1/4	1,162.91	1 1/4	1,512.55	1 1/4	1,871.61	1 1/4	2,231.75	1 1/4	2,591.88	1 1/4	2,907.41	1 1/4	3,269.46
1 1/2	111.16	1 1/2	466.41	1 1/2	824.62	1 1/2	1,170.01	1 1/2	1,519.89	1 1/2	1,879.13	1 1/2	2,239.25	1 1/2	2,599.39	1 1/2	2,914.95	1 1/2	3,277.00
3/4	118.54	3/4	473.76	3/4	832.01	3/4	1,177.10	3/4	1,527.24	3/4	1,886.64	3/4	2,246.74	3/4	2,606.87	3/4	2,922.49	3/4	3,284.54
4	125.91	4	481.11	4	839.39	4	1,184.20	4	1,534.59	4	1,894.15	4	2,254.24	4	2,614.35	4	2,930.04	4	3,292.08
1 1/4	133.28	1 1/4	488.46	1 1/4	846.77	1 1/4	1,191.30	1 1/4	1,541.94	1 1/4	1,901.67	1 1/4	2,261.74	1 1/4	2,621.84	1 1/4	2,937.58	1 1/4	3,299.63
1 1/2	140.66	1 1/2	495.81	1 1/2	854.16	1 1/2	1,198.40	1 1/2	1,549.28	1 1/2	1,909.18	1 1/2	2,269.23	1 1/2	2,629.32	1 1/2	2,945.12	1 1/2	3,307.17
3/4	148.03	3/4	503.27	3/4	861.54	3/4	1,205.50	3/4	1,556.63	3/4	1,916.70	3/4	2,276.73	3/4	2,636.79	3/4	2,952.66	3/4	3,314.71
5	155.41	5	510.73	5	868.92	5	1,212.60	5	1,563.98	5	1,924.22	5	2,284.23	5	2,644.27	5	2,960.21	5	3,322.26
1 1/4	162.78	1 1/4	518.19	1 1/4	876.31	1 1/4	1,219.69	1 1/4	1,571.33	1 1/4	1,931.74	1 1/4	2,291.72	1 1/4	2,651.75	1 1/4	2,967.75	1 1/4	3,329.80
1 1/2	170.16	1 1/2	525.65	1 1/2	883.69	1 1/2	1,226.79	1 1/2	1,578.67	1 1/2	1,939.26	1 1/2	2,299.22	1 1/2	2,659.22	1 1/2	2,975.29	1 1/2	3,337.34
3/4	177.64	3/4	533.14	3/4	891.07	3/4	1,233.90	3/4	1,586.15	3/4	1,946.78	3/4	2,306.71	3/4	2,666.70	3/4	2,982.83	3/4	3,344.88
6	185.12	6	540.64	6	898.46	6	1,241.01	6	1,593.63	6	1,954.30	6	2,314.21	6	2,674.18	6	2,990.38	6	3,352.43
1 1/4	192.60	1 1/4	548.14	1 1/4	905.84	1 1/4	1,248.12	1 1/4	1,601.11	1 1/4	1,961.82	1 1/4	2,321.71	1 1/4	2,681.65	1 1/4	2,997.92	1 1/4	3,359.97
1 1/2	200.09	1 1/2	555.63	1 1/2	913.22	1 1/2	1,255.22	1 1/2	1,608.58	1 1/2	1,969.34	1 1/2	2,329.20	1 1/2	2,689.13	1 1/2	3,005.46	1 1/2	3,367.51
3/4	207.60	3/4	563.13	3/4	920.59	3/4	1,262.35	3/4	1,616.11	3/4	1,976.85	3/4	2,336.71	3/4	2,696.60	3/4	3,013.00	3/4	3,375.05
7	215.12	7	570.62	7	927.96	7	1,269.48	7	1,623.63	7	1,984.35	7	2,344.21	7	2,704.08	7	3,020.55	7	3,382.60
1 1/4	222.64	1 1/4	578.12	1 1/4	935.32	1 1/4	1,276.61	1 1/4	1,631.15	1 1/4	1,991.85	1 1/4	2,351.71	1 1/4	2,711.56	1 1/4	3,028.09	1 1/4	3,390.14
1 1/2	230.16	1 1/2	585.61	1 1/2	942.69	1 1/2	1,283.74	1 1/2	1,638.67	1 1/2	1,999.35	1 1/2	2,359.22	1 1/2	2,719.03	1 1/2	3,035.63	1 1/2	3,397.68
3/4	237.68	3/4	593.11	3/4	950.04	3/4	1,290.87	3/4	1,646.19	3/4	2,006.85	3/4	2,366.72	3/4	2,726.51	3/4	3,043.18	3/4	3,405.23
8	245.19	8	600.60	8	957.40	8	1,298.00	8	1,653.71	8	2,014.35	8	2,374.23	8	2,733.99	8	3,050.72	8	3,412.77
1 1/4	252.71	1 1/4	608.10	1 1/4	964.75	1 1/4	1,305.14	1 1/4	1,661.23	1 1/4	2,021.84	1 1/4	2,381.74	1 1/4	2,741.46	1 1/4	3,058.26	1 1/4	3,420.31
1 1/2	260.23	1 1/2	615.59	1 1/2	972.11	1 1/2	1,312.27	1 1/2	1,668.76	1 1/2	2,029.34	1 1/2	2,389.24	1 1/2	2,748.94	1 1/2	3,065.80	1 1/2	3,427.85
3/4	267.64	3/4	623.09	3/4	979.17	3/4	1,319.70	3/4	1,676.27	3/4	2,036.84	3/4	2,396.75	3/4	2,756.41	3/4	3,073.35	3/4	3,435.40
9	275.05	9	630.58	9	986.23	9	1,327.12	9	1,683.79	9	2,044.33	9	2,404.26	9	2,763.89	9	3,080.89	9	3,439.28
1 1/4	282.46	1 1/4	638.08	1 1/4	993.30	1 1/4	1,334.55	1 1/4	1,691.30	1 1/4	2,051.83	1 1/4	2,411.76	1 1/4	2,771.37	1 1/4	3,088.43	1 1/4	3,443.17
1 1/2	289.87	1 1/2	645.57	1 1/2	1,000.36	1 1/2	1,341.97	1 1/2	1,698.82	1 1/2	2,059.33	1 1/2	2,419.27	1 1/2	2,778.84	1 1/2	3,095.97	1 1/2	3,447.05
3/4	297.25	3/4	653.09	3/4	1,007.32	3/4	1,349.50	3/4	1,706.33	3/4	2,066.82	3/4	2,426.78	3/4	2,786.32	3/4	3,103.52	3/4	3,450.94
10	304.62	10	660.60	10	1,014.29	10	1,357.02	10	1,713.84	10	2,074.32	10	2,434.28	10	2,793.79	10	3,111.06	10	3,454.83
1 1/4	312.00	1 1/4	668.12	1 1/4	1,021.25	1 1/4	1,364.54	1 1/4	1,721.35	1 1/4	2,081.82	1 1/4	2,441.79	1 1/4	2,801.27	1 1/4	3,118.60	1 1/4	3,458.71
1 1/2	319.38	1 1/2	675.64	1 1/2	1,028.22	1 1/2	1,372.07	1 1/2	1,728.87	1 1/2	2,089.31	1 1/2	2,449.29	1 1/2	2,808.75	1 1/2	3,126.15	1 1/2	3,462.60
3/4	326.75	3/4	683.16	3/4	1,035.28	3/4	1,379.59	3/4	1,736.38	3/4	2,096.81	3/4	2,456.80	3/4	2,816.22	3/4	3,133.69	3/4	3,466.48
11	334.13	11	690.68	11	1,042.34	11	1,387.11	11	1,743.89	11	2,104.31	11	2,464.31	11	2,823.70	11	3,141.23	11	3,470.37
1 1/4	341.50	1 1/4	698.21	1 1/4	1,049.41	1 1/4	1,394.64	1 1/4	1,751.41	1 1/4	2,111.80	1 1/4	2,471.81	1 1/4	2,831.18	1 1/4	3,148.77	1 1/4	3,474.26
1 1/2	348.88	1 1/2	705.73	1 1/2	1,056.47	1 1/2	1,402.16	1 1/2	1,758.92	1 1/2	2,119.30	1 1/2	2,479.32	1 1/2	2,838.65	1 1/2	3,156.32	1 1/2	3,478.14
3/4	356.23	3/4	713.25	3/4	1,063.56	3/4	1,409.55	3/4	1,766.43	3/4	2,126.80	3/4	2,486.82	3/4	2,843.39	3/4	3,163.86	3/4	3,482.03

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



BARGE "EMS 3057"

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	3,485.92	0	3,672.45	0	3,858.98	0	4,044.80	0	4,230.62	0	4,416.44	0	4,602.26	0	4,788.08	0	4,973.90	0	5,159.72
1/4	3,489.80	1/4	3,676.33	1/4	3,862.87	1/4	4,048.67	1/4	4,234.49	1/4	4,420.31	1/4	4,606.13	1/4	4,791.95	1/4	4,977.77	1/4	5,163.59
1/2	3,493.69	1/2	3,680.22	1/2	3,866.75	1/2	4,052.54	1/2	4,238.36	1/2	4,424.18	1/2	4,610.00	1/2	4,795.82	1/2	4,981.64	1/2	5,167.46
3/4	3,497.57	3/4	3,684.11	3/4	3,870.64	3/4	4,056.41	3/4	4,242.23	3/4	4,430.05	3/4	4,615.87	3/4	4,801.69	3/4	4,987.51	3/4	5,171.34
1	3,501.46	1	3,687.99	1	3,874.53	1	4,060.28	1	4,246.10	1	4,435.94	1	4,621.76	1	4,812.58	1	4,998.40	1	5,175.22
1/4	3,505.35	1/4	3,691.88	1/4	3,878.41	1/4	4,064.14	1/4	4,250.00	1/4	4,440.00	1/4	4,625.82	1/4	4,816.64	1/4	4,999.22	1/4	5,179.10
1/2	3,509.23	1/2	3,695.76	1/2	3,882.30	1/2	4,068.01	1/2	4,254.06	1/2	4,444.06	1/2	4,630.88	1/2	4,820.70	1/2	5,003.02	1/2	5,182.98
3/4	3,513.12	3/4	3,699.65	3/4	3,886.17	3/4	4,071.88	3/4	4,258.12	3/4	4,448.12	3/4	4,636.90	3/4	4,824.82	3/4	5,006.90	3/4	5,186.86
2	3,517.00	2	3,703.54	2	3,890.05	2	4,075.75	2	4,262.18	2	4,452.18	2	4,642.06	2	4,828.90	2	5,010.82	2	5,190.74
1/4	3,520.89	1/4	3,707.42	1/4	3,893.93	1/4	4,079.62	1/4	4,266.24	1/4	4,456.24	1/4	4,646.14	1/4	4,832.82	1/4	5,014.70	1/4	5,194.62
1/2	3,524.78	1/2	3,711.31	1/2	3,897.80	1/2	4,083.49	1/2	4,270.30	1/2	4,460.30	1/2	4,650.22	1/2	4,836.70	1/2	5,018.58	1/2	5,198.50
3/4	3,528.66	3/4	3,715.20	3/4	3,901.67	3/4	4,087.36	3/4	4,274.36	3/4	4,464.36	3/4	4,654.30	3/4	4,840.58	3/4	5,022.46	3/4	5,202.38
3	3,532.55	3	3,719.08	3	3,905.54	3	4,091.22	3	4,278.42	3	4,468.42	3	4,658.38	3	4,844.46	3	5,026.34	3	5,206.26
1/4	3,536.43	1/4	3,722.97	1/4	3,909.41	1/4	4,095.09	1/4	4,282.48	1/4	4,472.48	1/4	4,662.46	1/4	4,848.34	1/4	5,030.22	1/4	5,210.14
1/2	3,540.32	1/2	3,726.85	1/2	3,913.28	1/2	4,098.96	1/2	4,286.54	1/2	4,476.54	1/2	4,666.54	1/2	4,852.22	1/2	5,034.08	1/2	5,214.02
3/4	3,544.21	3/4	3,730.74	3/4	3,917.15	3/4	4,102.81	3/4	4,290.60	3/4	4,480.60	3/4	4,670.60	3/4	4,856.10	3/4	5,037.94	3/4	5,217.90
4	3,548.09	4	3,734.63	4	3,921.01	4	4,106.65	4	4,294.66	4	4,484.66	4	4,674.66	4	4,860.00	4	5,041.80	4	5,221.78
1/4	3,551.98	1/4	3,738.51	1/4	3,924.88	1/4	4,110.50	1/4	4,298.72	1/4	4,488.72	1/4	4,678.72	1/4	4,863.88	1/4	5,045.66	1/4	5,225.66
1/2	3,555.87	1/2	3,742.40	1/2	3,928.75	1/2	4,114.35	1/2	4,302.78	1/2	4,492.78	1/2	4,682.78	1/2	4,867.74	1/2	5,049.52	1/2	5,229.54
3/4	3,559.75	3/4	3,746.28	3/4	3,932.62	3/4	4,118.19	3/4	4,306.84	3/4	4,496.84	3/4	4,686.84	3/4	4,871.70	3/4	5,053.38	3/4	5,233.42
5	3,563.64	5	3,750.17	5	3,936.49	5	4,122.03	5	4,310.24	5	4,500.24	5	4,690.24	5	4,875.10	5	5,057.24	5	5,237.30
1/4	3,567.52	1/4	3,754.06	1/4	3,940.36	1/4	4,125.87	1/4	4,314.30	1/4	4,504.30	1/4	4,694.30	1/4	4,879.16	1/4	5,061.10	1/4	5,241.18
1/2	3,571.41	1/2	3,757.94	1/2	3,944.22	1/2	4,129.71	1/2	4,318.36	1/2	4,508.36	1/2	4,698.36	1/2	4,883.02	1/2	5,064.96	1/2	5,245.06
3/4	3,575.30	3/4	3,761.83	3/4	3,948.09	3/4	4,133.54	3/4	4,322.42	3/4	4,512.42	3/4	4,702.42	3/4	4,886.88	3/4	5,068.82	3/4	5,248.94
6	3,579.18	6	3,765.71	6	3,951.96	6	4,137.38	6	4,326.48	6	4,516.48	6	4,706.48	6	4,890.74	6	5,072.68	6	5,252.82
1/4	3,583.07	1/4	3,769.60	1/4	3,955.83	1/4	4,141.22	1/4	4,330.54	1/4	4,520.54	1/4	4,710.54	1/4	4,894.80	1/4	5,076.54	1/4	5,256.70
1/2	3,586.95	1/2	3,773.49	1/2	3,959.70	1/2	4,145.06	1/2	4,334.60	1/2	4,524.60	1/2	4,714.60	1/2	4,898.66	1/2	5,080.40	1/2	5,260.58
3/4	3,590.84	3/4	3,777.37	3/4	3,963.57	3/4	4,148.90	3/4	4,338.66	3/4	4,528.66	3/4	4,718.66	3/4	4,902.66	3/4	5,084.26	3/4	5,264.46
7	3,594.73	7	3,781.26	7	3,967.43	7	4,152.74	7	4,342.72	7	4,532.72	7	4,722.72	7	4,906.72	7	5,088.12	7	5,268.34
1/4	3,598.61	1/4	3,785.15	1/4	3,971.30	1/4	4,156.58	1/4	4,346.78	1/4	4,536.78	1/4	4,726.78	1/4	4,910.78	1/4	5,091.98	1/4	5,272.22
1/2	3,602.50	1/2	3,789.03	1/2	3,975.17	1/2	4,160.42	1/2	4,350.84	1/2	4,540.84	1/2	4,730.84	1/2	4,914.84	1/2	5,095.84	1/2	5,276.10
3/4	3,606.38	3/4	3,792.92	3/4	3,979.04	3/4	4,164.26	3/4	4,354.90	3/4	4,544.90	3/4	4,734.90	3/4	4,918.84	3/4	5,099.70	3/4	5,279.98
8	3,610.27	8	3,796.80	8	3,982.91	8	4,168.10	8	4,358.96	8	4,548.96	8	4,738.96	8	4,922.84	8	5,103.58	8	5,283.86
1/4	3,614.16	1/4	3,800.69	1/4	3,986.78	1/4	4,171.94	1/4	4,362.92	1/4	4,552.92	1/4	4,742.92	1/4	4,926.84	1/4	5,107.44	1/4	5,287.74
1/2	3,618.04	1/2	3,804.58	1/2	3,990.65	1/2	4,175.78	1/2	4,366.98	1/2	4,556.98	1/2	4,746.98	1/2	4,930.84	1/2	5,111.30	1/2	5,291.62
3/4	3,621.93	3/4	3,808.46	3/4	3,994.51	3/4	4,179.15	3/4	4,371.04	3/4	4,560.04	3/4	4,750.04	3/4	4,934.84	3/4	5,115.16	3/4	5,295.50
9	3,625.82	9	3,812.35	9	3,998.38	9	4,182.52	9	4,375.10	9	4,564.10	9	4,754.10	9	4,938.84	9	5,119.02	9	5,299.38
1/4	3,629.70	1/4	3,816.23	1/4	4,002.25	1/4	4,185.89	1/4	4,379.16	1/4	4,568.16	1/4	4,758.16	1/4	4,942.84	1/4	5,122.88	1/4	5,303.26
1/2	3,633.59	1/2	3,820.12	1/2	4,006.12	1/2	4,189.26	1/2	4,383.22	1/2	4,572.22	1/2	4,762.22	1/2	4,946.84	1/2	5,126.74	1/2	5,307.14
3/4	3,637.47	3/4	3,824.01	3/4	4,009.99	3/4	4,191.53	3/4	4,387.28	3/4	4,576.28	3/4	4,766.28	3/4	4,950.84	3/4	5,130.60	3/4	5,310.98
10	3,641.36	10	3,827.89	10	4,013.86	10	4,193.80	10	4,391.34	10	4,580.34	10	4,769.34	10	4,953.84	10	5,134.46	10	5,314.86
1/4	3,645.25	1/4	3,831.78	1/4	4,017.72	1/4	4,196.07	1/4	4,395.40	1/4	4,584.40	1/4	4,773.40	1/4	4,957.84	1/4	5,138.32	1/4	5,318.74
1/2	3,649.13	1/2	3,835.66	1/2	4,021.59	1/2	4,198.34	1/2	4,399.46	1/2	4,588.46	1/2	4,777.46	1/2	4,961.84	1/2	5,142.18	1/2	5,322.62
3/4	3,653.02	3/4	3,839.55	3/4	4,025.46	3/4	4,199.35	3/4	4,403.54	3/4	4,592.54	3/4	4,781.54	3/4	4,965.84	3/4	5,146.04	3/4	5,326.50
11	3,656.90	11	3,843.44	11	4,029.33	11	4,200.37	11	4,407.62	11	4,596.62	11	4,785.62	11	4,969.84	11	5,149.90	11	5,330.38
1/4	3,660.79	1/4	3,847.32	1/4	4,033.20	1/4	4,204.38	1/4	4,411.70	1/4	4,600.70	1/4	4,789.70	1/4	4,973.84	1/4	5,153.76	1/4	5,334.26
1/2	3,664.68	1/2	3,851.21	1/2	4,037.07	1/2	4,208.22	1/2	4,415.72	1/2	4,604.72	1/2	4,793.72	1/2	4,977.84	1/2	5,157.62	1/2	5,338.14
3/4	3,668.56	3/4	3,855.09	3/4	4,040.93	3/4	4,212.14	3/4	4,419.74	3/4	4,608.74	3/4	4,797.74	3/4	4,981.84	3/4	5,161.48	3/4	5,341.98

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/21/2024 JS
 CALCULATED: 06/21/2024 JS
 PRINTED: 06/21/2024 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 06/2024

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