



BARGE "AL 2300"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
4 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
4 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 211'-00"

July 12, 2023

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

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BARGE "AL 2300"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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		0	3,123.54	0	2,892.58	0	2,661.62	0	2,430.66	0	2,199.69	0	1,968.73	0	1,737.77
1/4		1/4		1/4		1/4	3,118.73	1/4	2,887.77	1/4	2,656.81	1/4	2,425.84	1/4	2,194.88	1/4	1,963.92	1/4	1,732.96
1/2		1/2		1/2		1/2	3,113.92	1/2	2,882.96	1/2	2,651.99	1/2	2,421.03	1/2	2,190.07	1/2	1,959.11	1/2	1,728.15
3/4		3/4		3/4		3/4	3,109.11	3/4	2,878.14	3/4	2,647.18	3/4	2,416.22	3/4	2,185.26	3/4	1,954.30	3/4	1,723.34
1		1		1		1	3,104.29	1	2,873.33	1	2,642.37	1	2,411.41	1	2,180.45	1	1,949.49	1	1,718.52
1/4		1/4		1/4		1/4	3,099.48	1/4	2,868.52	1/4	2,637.56	1/4	2,406.60	1/4	2,175.64	1/4	1,944.67	1/4	1,713.71
1/2		1/2		1/2		1/2	3,094.67	1/2	2,863.71	1/2	2,632.75	1/2	2,401.79	1/2	2,170.82	1/2	1,939.86	1/2	1,708.90
3/4		3/4		3/4		3/4	3,089.86	3/4	2,858.90	3/4	2,627.94	3/4	2,396.97	3/4	2,166.01	3/4	1,935.05	3/4	1,704.09
2		2		2		2	3,085.05	2	2,854.09	2	2,623.12	2	2,392.16	2	2,161.20	2	1,930.24	2	1,699.28
1/4		1/4		1/4		1/4	3,080.24	1/4	2,849.27	1/4	2,618.31	1/4	2,387.35	1/4	2,156.39	1/4	1,925.43	1/4	1,694.47
1/2		1/2		1/2		1/2	3,075.42	1/2	2,844.46	1/2	2,613.50	1/2	2,382.54	1/2	2,151.58	1/2	1,920.62	1/2	1,689.65
3/4		3/4		3/4		3/4	3,070.61	3/4	2,839.65	3/4	2,608.69	3/4	2,377.73	3/4	2,146.77	3/4	1,915.80	3/4	1,684.84
3		3		3		3	3,065.80	3	2,834.84	3	2,603.88	3	2,372.92	3	2,141.95	3	1,910.99	3	1,680.03
1/4		1/4		1/4		1/4	3,060.99	1/4	2,830.03	1/4	2,599.07	1/4	2,368.10	1/4	2,137.14	1/4	1,906.18	1/4	1,675.22
1/2		1/2		1/2		1/2	3,056.18	1/2	2,825.22	1/2	2,594.25	1/2	2,363.29	1/2	2,132.33	1/2	1,901.37	1/2	1,670.41
3/4		3/4		3/4		3/4	3,051.37	3/4	2,820.40	3/4	2,589.44	3/4	2,358.48	3/4	2,127.52	3/4	1,896.56	3/4	1,665.60
4		4		4		4	3,046.55	4	2,815.59	4	2,584.63	4	2,353.67	4	2,122.71	4	1,891.75	4	1,660.78
1/4		1/4		1/4		1/4	3,041.74	1/4	2,810.78	1/4	2,579.82	1/4	2,348.86	1/4	2,117.90	1/4	1,886.93	1/4	1,655.97
1/2		1/2		1/2		1/2	3,036.93	1/2	2,805.97	1/2	2,575.01	1/2	2,344.05	1/2	2,113.08	1/2	1,882.12	1/2	1,651.16
3/4		3/4		3/4		3/4	3,032.12	3/4	2,801.16	3/4	2,570.20	3/4	2,339.23	3/4	2,108.27	3/4	1,877.31	3/4	1,646.35
5		5		5		5	3,027.31	5	2,796.35	5	2,565.38	5	2,334.42	5	2,103.46	5	1,872.50	5	1,641.54
1/4		1/4		1/4		1/4	3,022.50	1/4	2,791.53	1/4	2,560.57	1/4	2,329.61	1/4	2,098.65	1/4	1,867.69	1/4	1,636.73
1/2		1/2		1/2		1/2	3,017.68	1/2	2,786.72	1/2	2,555.76	1/2	2,324.80	1/2	2,093.84	1/2	1,862.88	1/2	1,631.91
3/4		3/4		3/4		3/4	3,012.87	3/4	2,781.91	3/4	2,550.95	3/4	2,319.99	3/4	2,089.03	3/4	1,858.06	3/4	1,627.10
6		6		6		6	3,008.06	6	2,777.10	6	2,546.14	6	2,315.18	6	2,084.21	6	1,853.25	6	1,622.29
1/4		1/4		1/4		1/4	3,003.25	1/4	2,772.29	1/4	2,541.33	1/4	2,310.36	1/4	2,079.40	1/4	1,848.44	1/4	1,617.48
1/2		1/2		1/2		1/2	2,998.44	1/2	2,767.48	1/2	2,536.51	1/2	2,305.55	1/2	2,074.59	1/2	1,843.63	1/2	1,612.67
3/4		3/4		3/4		3/4	2,993.63	3/4	2,762.66	3/4	2,531.70	3/4	2,300.74	3/4	2,069.78	3/4	1,838.82	3/4	1,607.86
7		7		7	3,217.38	7	2,988.81	7	2,757.85	7	2,526.89	7	2,295.93	7	2,064.97	7	1,834.01	7	1,603.04
1/4		1/4		1/4	3,213.17	1/4	2,984.00	1/4	2,753.04	1/4	2,522.08	1/4	2,291.12	1/4	2,060.16	1/4	1,829.19	1/4	1,598.23
1/2		1/2		1/2	3,208.95	1/2	2,979.19	1/2	2,748.23	1/2	2,517.27	1/2	2,286.31	1/2	2,055.34	1/2	1,824.38	1/2	1,593.42
3/4		3/4		3/4	3,204.74	3/4	2,974.38	3/4	2,743.42	3/4	2,512.46	3/4	2,281.49	3/4	2,050.53	3/4	1,819.57	3/4	1,588.61
8		8		8	3,200.53	8	2,969.57	8	2,738.61	8	2,507.64	8	2,276.68	8	2,045.72	8	1,814.76	8	1,583.80
1/4		1/4		1/4	3,195.72	1/4	2,964.76	1/4	2,733.79	1/4	2,502.83	1/4	2,271.87	1/4	2,040.91	1/4	1,809.95	1/4	1,578.99
1/2		1/2		1/2	3,190.91	1/2	2,959.94	1/2	2,728.98	1/2	2,498.02	1/2	2,267.06	1/2	2,036.10	1/2	1,805.14	1/2	1,574.17
3/4		3/4		3/4	3,186.09	3/4	2,955.13	3/4	2,724.17	3/4	2,493.21	3/4	2,262.25	3/4	2,031.29	3/4	1,800.32	3/4	1,569.36
9		9		9	3,181.28	9	2,950.32	9	2,719.36	9	2,488.40	9	2,257.44	9	2,026.47	9	1,795.51	9	1,564.55
1/4		1/4		1/4	3,176.47	1/4	2,945.51	1/4	2,714.55	1/4	2,483.59	1/4	2,252.62	1/4	2,021.66	1/4	1,790.70	1/4	1,559.74
1/2		1/2		1/2	3,171.66	1/2	2,940.70	1/2	2,709.73	1/2	2,478.77	1/2	2,247.81	1/2	2,016.85	1/2	1,785.89	1/2	1,554.93
3/4		3/4		3/4	3,166.85	3/4	2,935.88	3/4	2,704.92	3/4	2,473.96	3/4	2,243.00	3/4	2,012.04	3/4	1,781.08	3/4	1,550.12
10		10		10	3,162.03	10	2,931.07	10	2,700.11	10	2,469.15	10	2,238.19	10	2,007.23	10	1,776.27	10	1,545.30
1/4		1/4		1/4	3,157.22	1/4	2,926.26	1/4	2,695.30	1/4	2,464.34	1/4	2,233.38	1/4	2,002.42	1/4	1,771.45	1/4	1,540.49
1/2		1/2		1/2	3,152.41	1/2	2,921.45	1/2	2,690.49	1/2	2,459.53	1/2	2,228.56	1/2	1,997.60	1/2	1,766.64	1/2	1,535.68
3/4		3/4		3/4	3,147.60	3/4	2,916.64	3/4	2,685.68	3/4	2,454.71	3/4	2,223.75	3/4	1,992.79	3/4	1,761.83	3/4	1,530.87
11		11		11	3,142.79	11	2,911.83	11	2,680.86	11	2,449.90	11	2,218.94	11	1,987.98	11	1,757.02	11	1,526.06
1/4		1/4		1/4	3,137.98	1/4	2,907.01	1/4	2,676.05	1/4	2,445.09	1/4	2,214.13	1/4	1,983.17	1/4	1,752.21	1/4	1,521.25
1/2		1/2		1/2	3,133.16	1/2	2,902.20	1/2	2,671.24	1/2	2,440.28	1/2	2,209.32	1/2	1,978.36	1/2	1,747.39	1/2	1,516.43
3/4		3/4		3/4	3,128.35	3/4	2,897.39	3/4	2,666.43	3/4	2,435.47	3/4	2,204.51	3/4	1,973.54	3/4	1,742.58	3/4	1,511.62

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-06" OFF CENTERLINE AND 28'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "AL 2300"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,506.81	0	1,275.85	0	1,044.89	0	813.93	0	582.97	0	352.01	0	121.05	0		0		0	
1/4	1,502.00	1/4	1,271.04	1/4	1,040.08	1/4	809.12	1/4	578.16	1/4	347.20	1/4	116.24	1/4	1/4	1/4		1/4	
1/2	1,497.19	1/2	1,266.22	1/2	1,035.27	1/2	804.31	1/2	573.35	1/2	342.38	1/2	111.43	1/2	1/2	1/2		1/2	
3/4	1,492.37	3/4	1,261.41	3/4	1,030.46	3/4	799.50	3/4	568.53	3/4	337.57	3/4	106.63	3/4	3/4	3/4		3/4	
1	1,487.56	1	1,256.60	1	1,025.65	1	794.68	1	563.72	1	332.76	1	101.82	1	1	1		1	
1/4	1,482.75	1/4	1,251.79	1/4	1,020.84	1/4	789.87	1/4	558.91	1/4	327.95	1/4	97.02	1/4	1/4	1/4		1/4	
1/2	1,477.94	1/2	1,246.98	1/2	1,016.02	1/2	785.06	1/2	554.10	1/2	323.14	1/2	92.22	1/2	1/2	1/2		1/2	
3/4	1,473.13	3/4	1,242.17	3/4	1,011.21	3/4	780.25	3/4	549.29	3/4	318.33	3/4	87.42	3/4	3/4	3/4		3/4	
2	1,468.32	2	1,237.35	2	1,006.40	2	775.44	2	544.48	2	313.51	2	82.62	2	2	2		2	
1/4	1,463.50	1/4	1,232.54	1/4	1,001.59	1/4	770.63	1/4	539.66	1/4	308.70	1/4	77.83	1/4	1/4	1/4		1/4	
1/2	1,458.69	1/2	1,227.73	1/2	996.78	1/2	765.81	1/2	534.85	1/2	303.89	1/2	73.04	1/2	1/2	1/2		1/2	
3/4	1,453.88	3/4	1,222.92	3/4	991.96	3/4	761.00	3/4	530.04	3/4	299.08	3/4	68.25	3/4	3/4	3/4		3/4	
3	1,449.07	3	1,218.11	3	987.15	3	756.19	3	525.23	3	294.27	3	63.46	3	3	3		3	
1/4	1,444.26	1/4	1,213.30	1/4	982.34	1/4	751.38	1/4	520.42	1/4	289.46	1/4	58.68	1/4	1/4	1/4		1/4	
1/2	1,439.45	1/2	1,208.48	1/2	977.53	1/2	746.57	1/2	515.61	1/2	284.64	1/2	53.91	1/2	1/2	1/2		1/2	
3/4	1,434.63	3/4	1,203.67	3/4	972.72	3/4	741.76	3/4	510.79	3/4	279.83	3/4	49.14	3/4	3/4	3/4		3/4	
4	1,429.82	4	1,198.86	4	967.91	4	736.94	4	505.98	4	275.02	4	44.37	4	4	4		4	
1/4	1,425.01	1/4	1,194.05	1/4	963.09	1/4	732.13	1/4	501.17	1/4	270.21	1/4	39.80	1/4	1/4	1/4		1/4	
1/2	1,420.20	1/2	1,189.24	1/2	958.28	1/2	727.32	1/2	496.36	1/2	265.40	1/2	35.24	1/2	1/2	1/2		1/2	
3/4	1,415.39	3/4	1,184.43	3/4	953.47	3/4	722.51	3/4	491.55	3/4	260.59	3/4	30.67	3/4	3/4	3/4		3/4	
5	1,410.58	5	1,179.61	5	948.66	5	717.70	5	486.74	5	255.77	5	26.11	5	5	5		5	
1/4	1,405.76	1/4	1,174.80	1/4	943.85	1/4	712.89	1/4	481.92	1/4	250.96	1/4	22.50	1/4	1/4	1/4		1/4	
1/2	1,400.95	1/2	1,169.99	1/2	939.03	1/2	708.07	1/2	477.11	1/2	246.15	1/2	18.89	1/2	1/2	1/2		1/2	
3/4	1,396.14	3/4	1,165.18	3/4	934.22	3/4	703.26	3/4	472.30	3/4	241.34	3/4	15.29	3/4	3/4	3/4		3/4	
6	1,391.33	6	1,160.37	6	929.41	6	698.45	6	467.49	6	236.53	6	11.68	6	6	6		6	
1/4	1,386.52	1/4	1,155.56	1/4	924.60	1/4	693.64	1/4	462.68	1/4	231.72	1/4		1/4	1/4	1/4		1/4	
1/2	1,381.71	1/2	1,150.74	1/2	919.79	1/2	688.83	1/2	457.86	1/2	226.90	1/2		1/2	1/2	1/2		1/2	
3/4	1,376.89	3/4	1,145.93	3/4	914.98	3/4	684.01	3/4	453.05	3/4	222.09	3/4		3/4	3/4	3/4		3/4	
7	1,372.08	7	1,141.12	7	910.16	7	679.20	7	448.24	7	217.28	7		7	7	7		7	
1/4	1,367.27	1/4	1,136.31	1/4	905.35	1/4	674.39	1/4	443.43	1/4	212.47	1/4		1/4	1/4	1/4		1/4	
1/2	1,362.46	1/2	1,131.50	1/2	900.54	1/2	669.58	1/2	438.62	1/2	207.66	1/2		1/2	1/2	1/2		1/2	
3/4	1,357.65	3/4	1,126.69	3/4	895.73	3/4	664.77	3/4	433.81	3/4	202.85	3/4		3/4	3/4	3/4		3/4	
8	1,352.84	8	1,121.87	8	890.92	8	659.96	8	428.99	8	198.03	8		8	8	8		8	
1/4	1,348.02	1/4	1,117.06	1/4	886.11	1/4	655.14	1/4	424.18	1/4	193.22	1/4		1/4	1/4	1/4		1/4	
1/2	1,343.21	1/2	1,112.25	1/2	881.29	1/2	650.33	1/2	419.37	1/2	188.41	1/2		1/2	1/2	1/2		1/2	
3/4	1,338.40	3/4	1,107.44	3/4	876.48	3/4	645.52	3/4	414.56	3/4	183.60	3/4		3/4	3/4	3/4		3/4	
9	1,333.59	9	1,102.63	9	871.67	9	640.71	9	409.75	9	178.79	9		9	9	9		9	
1/4	1,328.78	1/4	1,097.82	1/4	866.86	1/4	635.90	1/4	404.94	1/4	173.98	1/4		1/4	1/4	1/4		1/4	
1/2	1,323.97	1/2	1,093.00	1/2	862.05	1/2	631.09	1/2	400.12	1/2	169.17	1/2		1/2	1/2	1/2		1/2	
3/4	1,319.15	3/4	1,088.19	3/4	857.24	3/4	626.27	3/4	395.31	3/4	164.35	3/4		3/4	3/4	3/4		3/4	
10	1,314.34	10	1,083.38	10	852.42	10	621.46	10	390.50	10	159.54	10		10	10	10		10	
1/4	1,309.53	1/4	1,078.57	1/4	847.61	1/4	616.65	1/4	385.69	1/4	154.73	1/4		1/4	1/4	1/4		1/4	
1/2	1,304.72	1/2	1,073.76	1/2	842.80	1/2	611.84	1/2	380.88	1/2	149.92	1/2		1/2	1/2	1/2		1/2	
3/4	1,299.91	3/4	1,068.95	3/4	837.99	3/4	607.03	3/4	376.07	3/4	145.11	3/4		3/4	3/4	3/4		3/4	
11	1,295.10	11	1,064.13	11	833.18	11	602.22	11	371.25	11	140.29	11		11	11	11		11	
1/4	1,290.28	1/4	1,059.32	1/4	828.37	1/4	597.40	1/4	366.44	1/4	135.48	1/4		1/4	1/4	1/4		1/4	
1/2	1,285.47	1/2	1,054.51	1/2	823.55	1/2	592.59	1/2	361.63	1/2	130.67	1/2		1/2	1/2	1/2		1/2	
3/4	1,280.66	3/4	1,049.70	3/4	818.74	3/4	587.78	3/4	356.82	3/4	125.86	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2018 SW
CALCULATED: 04/13/2018 CL
VERIFIED: 07/12/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "AL 2300"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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		0	3,123.74	0	2,892.77	0	2,661.79	0	2,430.81	0	2,199.84	0	1,968.86	0	1,737.89
1/4		1/4		1/4		1/4	3,118.93	1/4	2,887.95	1/4	2,656.98	1/4	2,426.00	1/4	2,195.03	1/4	1,964.05	1/4	1,733.07
1/2		1/2		1/2		1/2	3,114.12	1/2	2,883.14	1/2	2,652.17	1/2	2,421.19	1/2	2,190.21	1/2	1,959.24	1/2	1,728.26
3/4		3/4		3/4		3/4	3,109.31	3/4	2,878.33	3/4	2,647.35	3/4	2,416.38	3/4	2,185.40	3/4	1,954.43	3/4	1,723.45
1		1		1		1	3,104.49	1	2,873.52	1	2,642.54	1	2,411.57	1	2,180.59	1	1,949.61	1	1,718.64
1/4		1/4		1/4		1/4	3,099.68	1/4	2,868.71	1/4	2,637.73	1/4	2,406.75	1/4	2,175.78	1/4	1,944.80	1/4	1,713.83
1/2		1/2		1/2		1/2	3,094.87	1/2	2,863.89	1/2	2,632.92	1/2	2,401.94	1/2	2,170.97	1/2	1,939.99	1/2	1,709.01
3/4		3/4		3/4		3/4	3,090.06	3/4	2,859.08	3/4	2,628.11	3/4	2,397.13	3/4	2,166.15	3/4	1,935.18	3/4	1,704.20
2		2		2		2	3,085.25	2	2,854.27	2	2,623.29	2	2,392.32	2	2,161.34	2	1,930.37	2	1,699.39
1/4		1/4		1/4		1/4	3,080.43	1/4	2,849.46	1/4	2,618.48	1/4	2,387.51	1/4	2,156.53	1/4	1,925.55	1/4	1,694.58
1/2		1/2		1/2		1/2	3,075.62	1/2	2,844.65	1/2	2,613.67	1/2	2,382.69	1/2	2,151.72	1/2	1,920.74	1/2	1,689.77
3/4		3/4		3/4		3/4	3,070.81	3/4	2,839.83	3/4	2,608.86	3/4	2,377.88	3/4	2,146.91	3/4	1,915.93	3/4	1,684.95
3		3		3		3	3,066.00	3	2,835.02	3	2,604.05	3	2,373.07	3	2,142.09	3	1,911.12	3	1,680.14
1/4		1/4		1/4		1/4	3,061.19	1/4	2,830.21	1/4	2,599.23	1/4	2,368.26	1/4	2,137.28	1/4	1,906.31	1/4	1,675.33
1/2		1/2		1/2		1/2	3,056.37	1/2	2,825.40	1/2	2,594.42	1/2	2,363.45	1/2	2,132.47	1/2	1,901.49	1/2	1,670.52
3/4		3/4		3/4		3/4	3,051.56	3/4	2,820.59	3/4	2,589.61	3/4	2,358.63	3/4	2,127.66	3/4	1,896.68	3/4	1,665.71
4		4		4		4	3,046.75	4	2,815.77	4	2,584.80	4	2,353.82	4	2,122.85	4	1,891.87	4	1,660.89
1/4		1/4		1/4		1/4	3,041.94	1/4	2,810.96	1/4	2,579.99	1/4	2,349.01	1/4	2,118.03	1/4	1,887.06	1/4	1,656.08
1/2		1/2		1/2		1/2	3,037.13	1/2	2,806.15	1/2	2,575.17	1/2	2,344.20	1/2	2,113.22	1/2	1,882.25	1/2	1,651.27
3/4		3/4		3/4		3/4	3,032.31	3/4	2,801.34	3/4	2,570.36	3/4	2,339.39	3/4	2,108.41	3/4	1,877.43	3/4	1,646.46
5		5		5		5	3,027.50	5	2,796.53	5	2,565.55	5	2,334.57	5	2,103.60	5	1,872.62	5	1,641.65
1/4		1/4		1/4		1/4	3,022.69	1/4	2,791.71	1/4	2,560.74	1/4	2,329.76	1/4	2,098.79	1/4	1,867.81	1/4	1,636.83
1/2		1/2		1/2		1/2	3,017.88	1/2	2,786.90	1/2	2,555.93	1/2	2,324.95	1/2	2,093.97	1/2	1,863.00	1/2	1,632.02
3/4		3/4		3/4		3/4	3,013.07	3/4	2,782.09	3/4	2,551.11	3/4	2,320.14	3/4	2,089.16	3/4	1,858.19	3/4	1,627.21
6		6		6		6	3,008.25	6	2,777.28	6	2,546.30	6	2,315.33	6	2,084.35	6	1,853.37	6	1,622.40
1/4		1/4		1/4		1/4	3,003.44	1/4	2,772.47	1/4	2,541.49	1/4	2,310.51	1/4	2,079.54	1/4	1,848.56	1/4	1,617.59
1/2		1/2		1/2		1/2	2,998.63	1/2	2,767.65	1/2	2,536.68	1/2	2,305.70	1/2	2,074.73	1/2	1,843.75	1/2	1,612.77
3/4		3/4		3/4		3/4	2,993.82	3/4	2,762.84	3/4	2,531.87	3/4	2,300.89	3/4	2,069.91	3/4	1,838.94	3/4	1,607.96
7		7		7	3,217.60	7	2,989.01	7	2,758.03	7	2,527.05	7	2,296.08	7	2,065.10	7	1,834.13	7	1,603.15
1/4		1/4		1/4	3,213.38	1/4	2,984.19	1/4	2,753.22	1/4	2,522.24	1/4	2,291.27	1/4	2,060.29	1/4	1,829.31	1/4	1,598.34
1/2		1/2		1/2	3,209.17	1/2	2,979.38	1/2	2,748.41	1/2	2,517.43	1/2	2,286.45	1/2	2,055.48	1/2	1,824.50	1/2	1,593.53
3/4		3/4		3/4	3,204.95	3/4	2,974.57	3/4	2,743.59	3/4	2,512.62	3/4	2,281.64	3/4	2,050.67	3/4	1,819.69	3/4	1,588.71
8		8		8	3,200.73	8	2,969.76	8	2,738.78	8	2,507.81	8	2,276.83	8	2,045.85	8	1,814.88	8	1,583.90
1/4		1/4		1/4	3,195.92	1/4	2,964.95	1/4	2,733.97	1/4	2,502.99	1/4	2,272.02	1/4	2,041.04	1/4	1,810.07	1/4	1,579.09
1/2		1/2		1/2	3,191.11	1/2	2,960.13	1/2	2,729.16	1/2	2,498.18	1/2	2,267.21	1/2	2,036.23	1/2	1,805.25	1/2	1,574.28
3/4		3/4		3/4	3,186.30	3/4	2,955.32	3/4	2,724.35	3/4	2,493.37	3/4	2,262.39	3/4	2,031.42	3/4	1,800.44	3/4	1,569.47
9		9		9	3,181.49	9	2,950.51	9	2,719.53	9	2,488.56	9	2,257.58	9	2,026.61	9	1,795.63	9	1,564.65
1/4		1/4		1/4	3,176.67	1/4	2,945.70	1/4	2,714.72	1/4	2,483.75	1/4	2,252.77	1/4	2,021.79	1/4	1,790.82	1/4	1,559.84
1/2		1/2		1/2	3,171.86	1/2	2,940.89	1/2	2,709.91	1/2	2,478.93	1/2	2,247.96	1/2	2,016.98	1/2	1,786.01	1/2	1,555.03
3/4		3/4		3/4	3,167.05	3/4	2,936.07	3/4	2,705.10	3/4	2,474.12	3/4	2,243.15	3/4	2,012.17	3/4	1,781.19	3/4	1,550.22
10		10		10	3,162.24	10	2,931.26	10	2,700.29	10	2,469.31	10	2,238.33	10	2,007.36	10	1,776.38	10	1,545.41
1/4		1/4		1/4	3,157.43	1/4	2,926.45	1/4	2,695.47	1/4	2,464.50	1/4	2,233.52	1/4	2,002.55	1/4	1,771.57	1/4	1,540.59
1/2		1/2		1/2	3,152.61	1/2	2,921.64	1/2	2,690.66	1/2	2,459.69	1/2	2,228.71	1/2	1,997.73	1/2	1,766.76	1/2	1,535.78
3/4		3/4		3/4	3,147.80	3/4	2,916.83	3/4	2,685.85	3/4	2,454.87	3/4	2,223.90	3/4	1,992.92	3/4	1,761.95	3/4	1,530.97
11		11		11	3,142.99	11	2,912.01	11	2,681.04	11	2,450.06	11	2,219.09	11	1,988.11	11	1,757.13	11	1,526.16
1/4		1/4		1/4	3,138.18	1/4	2,907.20	1/4	2,676.23	1/4	2,445.25	1/4	2,214.27	1/4	1,983.30	1/4	1,752.32	1/4	1,521.35
1/2		1/2		1/2	3,133.37	1/2	2,902.39	1/2	2,671.41	1/2	2,440.44	1/2	2,209.46	1/2	1,978.49	1/2	1,747.51	1/2	1,516.53
3/4		3/4		3/4	3,128.55	3/4	2,897.58	3/4	2,666.60	3/4	2,435.63	3/4	2,204.65	3/4	1,973.67	3/4	1,742.70	3/4	1,511.72

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 13'-06" OFF CENTERLINE AND 28'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "AL 2300"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,506.91	0	1,275.93	0	1,044.96	0	814.00	0	583.01	0	352.03	0	121.06	0		0		0	
1/4	1,502.10	1/4	1,271.12	1/4	1,040.15	1/4	809.18	1/4	578.20	1/4	347.22	1/4	116.25	1/4	1/4	1/4		1/4	1/4
1/2	1,497.29	1/2	1,266.31	1/2	1,035.34	1/2	804.37	1/2	573.39	1/2	342.41	1/2	111.44	1/2	1/2	1/2		1/2	1/2
3/4	1,492.47	3/4	1,261.50	3/4	1,030.53	3/4	799.56	3/4	568.58	3/4	337.60	3/4	106.63	3/4	3/4	3/4		3/4	3/4
1	1,487.66	1	1,256.69	1	1,025.72	1	794.75	1	563.77	1	332.79	1	101.83	1	1	1		1	1
1/4	1,482.85	1/4	1,251.87	1/4	1,020.91	1/4	789.93	1/4	558.95	1/4	327.97	1/4	97.03	1/4	1/4	1/4		1/4	1/4
1/2	1,478.04	1/2	1,247.06	1/2	1,016.10	1/2	785.12	1/2	554.14	1/2	323.16	1/2	92.22	1/2	1/2	1/2		1/2	1/2
3/4	1,473.23	3/4	1,242.25	3/4	1,011.29	3/4	780.31	3/4	549.33	3/4	318.35	3/4	87.42	3/4	3/4	3/4		3/4	3/4
2	1,468.41	2	1,237.44	2	1,006.48	2	775.50	2	544.52	2	313.54	2	82.62	2	2	2		2	2
1/4	1,463.60	1/4	1,232.63	1/4	1,001.67	1/4	770.69	1/4	539.71	1/4	308.72	1/4	77.83	1/4	1/4	1/4		1/4	1/4
1/2	1,458.79	1/2	1,227.81	1/2	996.86	1/2	765.87	1/2	534.89	1/2	303.91	1/2	73.04	1/2	1/2	1/2		1/2	1/2
3/4	1,453.98	3/4	1,223.00	3/4	992.04	3/4	761.06	3/4	530.08	3/4	299.10	3/4	68.25	3/4	3/4	3/4		3/4	3/4
3	1,449.17	3	1,218.19	3	987.23	3	756.25	3	525.27	3	294.29	3	63.46	3	3	3		3	3
1/4	1,444.35	1/4	1,213.38	1/4	982.42	1/4	751.44	1/4	520.46	1/4	289.48	1/4	58.69	1/4	1/4	1/4		1/4	1/4
1/2	1,439.54	1/2	1,208.57	1/2	977.61	1/2	746.63	1/2	515.65	1/2	284.66	1/2	53.92	1/2	1/2	1/2		1/2	1/2
3/4	1,434.73	3/4	1,203.75	3/4	972.79	3/4	741.81	3/4	510.83	3/4	279.85	3/4	49.14	3/4	3/4	3/4		3/4	3/4
4	1,429.92	4	1,198.94	4	967.98	4	737.00	4	506.02	4	275.04	4	44.37	4	4	4		4	4
1/4	1,425.11	1/4	1,194.13	1/4	963.17	1/4	732.19	1/4	501.21	1/4	270.23	1/4	39.81	1/4	1/4	1/4		1/4	1/4
1/2	1,420.29	1/2	1,189.32	1/2	958.36	1/2	727.38	1/2	496.40	1/2	265.42	1/2	35.24	1/2	1/2	1/2		1/2	1/2
3/4	1,415.48	3/4	1,184.51	3/4	953.55	3/4	722.57	3/4	491.58	3/4	260.60	3/4	30.68	3/4	3/4	3/4		3/4	3/4
5	1,410.67	5	1,179.69	5	948.73	5	717.75	5	486.77	5	255.79	5	26.11	5	5	5		5	5
1/4	1,405.86	1/4	1,174.88	1/4	943.92	1/4	712.94	1/4	481.96	1/4	250.98	1/4	22.50	1/4	1/4	1/4		1/4	1/4
1/2	1,401.05	1/2	1,170.07	1/2	939.11	1/2	708.13	1/2	477.15	1/2	246.17	1/2	18.89	1/2	1/2	1/2		1/2	1/2
3/4	1,396.23	3/4	1,165.26	3/4	934.30	3/4	703.32	3/4	472.34	3/4	241.36	3/4	15.29	3/4	3/4	3/4		3/4	3/4
6	1,391.42	6	1,160.45	6	929.49	6	698.50	6	467.52	6	236.54	6	11.68	6	6	6		6	6
1/4	1,386.61	1/4	1,155.63	1/4	924.67	1/4	693.69	1/4	462.71	1/4	231.73	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,381.80	1/2	1,150.82	1/2	919.86	1/2	688.88	1/2	457.90	1/2	226.92	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,376.99	3/4	1,146.01	3/4	915.05	3/4	684.07	3/4	453.09	3/4	222.11	3/4		3/4	3/4	3/4		3/4	3/4
7	1,372.17	7	1,141.20	7	910.24	7	679.26	7	448.28	7	217.30	7		7	7	7		7	7
1/4	1,367.36	1/4	1,136.39	1/4	905.43	1/4	674.44	1/4	443.46	1/4	212.48	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,362.55	1/2	1,131.57	1/2	900.61	1/2	669.63	1/2	438.65	1/2	207.67	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,357.74	3/4	1,126.76	3/4	895.80	3/4	664.82	3/4	433.84	3/4	202.86	3/4		3/4	3/4	3/4		3/4	3/4
8	1,352.93	8	1,121.95	8	890.99	8	660.01	8	429.03	8	198.05	8		8	8	8		8	8
1/4	1,348.11	1/4	1,117.14	1/4	886.18	1/4	655.20	1/4	424.22	1/4	193.24	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,343.30	1/2	1,112.33	1/2	881.36	1/2	650.38	1/2	419.40	1/2	188.42	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,338.49	3/4	1,107.51	3/4	876.55	3/4	645.57	3/4	414.59	3/4	183.61	3/4		3/4	3/4	3/4		3/4	3/4
9	1,333.68	9	1,102.70	9	871.74	9	640.76	9	409.78	9	178.80	9		9	9	9		9	9
1/4	1,328.87	1/4	1,097.89	1/4	866.93	1/4	635.95	1/4	404.97	1/4	173.99	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,324.05	1/2	1,093.08	1/2	862.12	1/2	631.14	1/2	400.15	1/2	169.18	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,319.24	3/4	1,088.27	3/4	857.30	3/4	626.32	3/4	395.34	3/4	164.37	3/4		3/4	3/4	3/4		3/4	3/4
10	1,314.43	10	1,083.45	10	852.49	10	621.51	10	390.53	10	159.55	10		10	10	10		10	10
1/4	1,309.62	1/4	1,078.64	1/4	847.68	1/4	616.70	1/4	385.72	1/4	154.74	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,304.81	1/2	1,073.83	1/2	842.87	1/2	611.89	1/2	380.91	1/2	149.93	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,299.99	3/4	1,069.02	3/4	838.06	3/4	607.07	3/4	376.09	3/4	145.12	3/4		3/4	3/4	3/4		3/4	3/4
11	1,295.18	11	1,064.21	11	833.24	11	602.26	11	371.28	11	140.30	11		11	11	11		11	11
1/4	1,290.37	1/4	1,059.40	1/4	828.43	1/4	597.45	1/4	366.47	1/4	135.49	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,285.56	1/2	1,054.58	1/2	823.62	1/2	592.64	1/2	361.66	1/2	130.68	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,280.75	3/4	1,049.77	3/4	818.81	3/4	587.83	3/4	356.85	3/4	125.87	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2018 SW
CALCULATED: 04/13/2018 CL
VERIFIED: 07/12/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "AL 2300"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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		0		0		0	3,116.34	0	2,884.84	0	2,653.34	0	2,421.84	0	2,190.34	0	1,958.84	0	1,727.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,111.51	1/4	2,880.01	1/4	2,648.51	1/4	2,417.02	1/4	2,185.52	1/4	1,954.02	1/4	1,722.52		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,106.69	1/2	2,875.19	1/2	2,643.69	1/2	2,412.19	1/2	2,180.69	1/2	1,949.19	1/2	1,717.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,101.87	3/4	2,870.37	3/4	2,638.87	3/4	2,407.37	3/4	2,175.87	3/4	1,944.37	3/4	1,712.87		
1		1		1		1	3,097.04	1	2,865.54	1	2,634.05	1	2,402.55	1	2,171.05	1	1,939.55	1	1,708.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,092.22	1/4	2,860.72	1/4	2,629.22	1/4	2,397.72	1/4	2,166.22	1/4	1,934.73	1/4	1,703.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,087.40	1/2	2,855.90	1/2	2,624.40	1/2	2,392.90	1/2	2,161.40	1/2	1,929.90	1/2	1,698.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,082.58	3/4	2,851.08	3/4	2,619.58	3/4	2,388.08	3/4	2,156.58	3/4	1,925.08	3/4	1,693.58		
2		2		2		2	3,077.75	2	2,846.25	2	2,614.75	2	2,383.25	2	2,151.76	2	1,920.26	2	1,688.76		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,072.93	1/4	2,841.43	1/4	2,609.93	1/4	2,378.43	1/4	2,146.93	1/4	1,915.43	1/4	1,683.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,068.11	1/2	2,836.61	1/2	2,605.11	1/2	2,373.61	1/2	2,142.11	1/2	1,910.61	1/2	1,679.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,063.28	3/4	2,831.78	3/4	2,600.29	3/4	2,368.79	3/4	2,137.29	3/4	1,905.79	3/4	1,674.29		
3		3		3		3	3,058.46	3	2,826.96	3	2,595.46	3	2,363.96	3	2,132.46	3	1,900.96	3	1,669.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,053.64	1/4	2,822.14	1/4	2,590.64	1/4	2,359.14	1/4	2,127.64	1/4	1,896.14	1/4	1,664.64		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,048.82	1/2	2,817.32	1/2	2,585.82	1/2	2,354.32	1/2	2,122.82	1/2	1,891.32	1/2	1,659.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,043.99	3/4	2,812.49	3/4	2,580.99	3/4	2,349.49	3/4	2,118.00	3/4	1,886.50	3/4	1,655.00		
4		4		4		4	3,039.17	4	2,807.67	4	2,576.17	4	2,344.67	4	2,113.17	4	1,881.67	4	1,650.17		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,034.35	1/4	2,802.85	1/4	2,571.35	1/4	2,339.85	1/4	2,108.35	1/4	1,876.85	1/4	1,645.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,029.52	1/2	2,798.02	1/2	2,566.53	1/2	2,335.03	1/2	2,103.53	1/2	1,872.03	1/2	1,640.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,024.70	3/4	2,793.20	3/4	2,561.70	3/4	2,330.20	3/4	2,098.70	3/4	1,867.20	3/4	1,635.71		
5		5		5		5	3,019.88	5	2,788.38	5	2,556.88	5	2,325.38	5	2,093.88	5	1,862.38	5	1,630.88		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,015.05	1/4	2,783.56	1/4	2,552.06	1/4	2,320.56	1/4	2,089.06	1/4	1,857.56	1/4	1,626.06		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,010.23	1/2	2,778.73	1/2	2,547.23	1/2	2,315.73	1/2	2,084.24	1/2	1,852.74	1/2	1,621.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,005.41	3/4	2,773.91	3/4	2,542.41	3/4	2,310.91	3/4	2,079.41	3/4	1,847.91	3/4	1,616.41		
6		6		6		6	3,000.59	6	2,769.09	6	2,537.59	6	2,306.09	6	2,074.59	6	1,843.09	6	1,611.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,224.86	1/4	2,995.76	1/4	2,764.26	1/4	2,532.76	1/4	2,301.27	1/4	2,069.77	1/4	1,838.27	1/4	1,606.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,220.64	1/2	2,990.94	1/2	2,759.44	1/2	2,527.94	1/2	2,296.44	1/2	2,064.94	1/2	1,833.44	1/2	1,601.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,216.42	3/4	2,986.12	3/4	2,754.62	3/4	2,523.12	3/4	2,291.62	3/4	2,060.12	3/4	1,828.62	3/4	1,597.12
7		7		7		7	3,212.19	7	2,981.29	7	2,749.80	7	2,518.30	7	2,286.80	7	2,055.30	7	1,823.80	7	1,592.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,207.97	1/4	2,976.47	1/4	2,744.97	1/4	2,513.47	1/4	2,281.97	1/4	2,050.47	1/4	1,818.98	1/4	1,587.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,203.15	1/2	2,971.65	1/2	2,740.15	1/2	2,508.65	1/2	2,277.15	1/2	2,045.65	1/2	1,814.15	1/2	1,582.65
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,198.33	3/4	2,966.83	3/4	2,735.33	3/4	2,503.83	3/4	2,272.33	3/4	2,040.83	3/4	1,809.33	3/4	1,577.83
8		8		8		8	3,193.50	8	2,962.00	8	2,730.50	8	2,499.00	8	2,267.51	8	2,036.01	8	1,804.51	8	1,573.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,188.68	1/4	2,957.18	1/4	2,725.68	1/4	2,494.18	1/4	2,262.68	1/4	2,031.18	1/4	1,799.68	1/4	1,568.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,183.86	1/2	2,952.36	1/2	2,720.86	1/2	2,489.36	1/2	2,257.86	1/2	2,026.36	1/2	1,794.86	1/2	1,563.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,179.03	3/4	2,947.53	3/4	2,716.03	3/4	2,484.54	3/4	2,253.04	3/4	2,021.54	3/4	1,790.04	3/4	1,558.54
9		9		9		9	3,174.21	9	2,942.71	9	2,711.21	9	2,479.71	9	2,248.21	9	2,016.71	9	1,785.22	9	1,553.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,169.39	1/4	2,937.89	1/4	2,706.39	1/4	2,474.89	1/4	2,243.39	1/4	2,011.89	1/4	1,780.39	1/4	1,548.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,164.56	1/2	2,933.07	1/2	2,701.57	1/2	2,470.07	1/2	2,238.57	1/2	2,007.07	1/2	1,775.57	1/2	1,544.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,159.74	3/4	2,928.24	3/4	2,696.74	3/4	2,465.24	3/4	2,233.74	3/4	2,002.25	3/4	1,770.75	3/4	1,539.25
10		10		10		10	3,154.92	10	2,923.42	10	2,691.92	10	2,460.42	10	2,228.92	10	1,997.42	10	1,765.92	10	1,534.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,150.10	1/4	2,918.60	1/4	2,687.10	1/4	2,455.60	1/4	2,224.10	1/4	1,992.60	1/4	1,761.10	1/4	1,529.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,145.27	1/2	2,913.77	1/2	2,682.27	1/2	2,450.78	1/2	2,219.28	1/2	1,987.78	1/2	1,756.28	1/2	1,524.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,140.45	3/4	2,908.95	3/4	2,677.45	3/4	2,445.95	3/4	2,214.45	3/4	1,982.95	3/4	1,751.45	3/4	1,519.96
11		11		11		11	3,135.63	11	2,904.13	11	2,672.63	11	2,441.13	11	2,209.63	11	1,978.13	11	1,746.63	11	1,515.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,130.80	1/4	2,899.31	1/4	2,667.81	1/4	2,436.31	1/4	2,204.81	1/4	1,973.31	1/4	1,741.81	1/4	1,510.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,125.98	1/2	2,894.48	1/2	2,662.98	1/2	2,431.48	1/2	2,199.98	1/2	1,968.49	1/2	1,736.99	1/2	1,505.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,121.16	3/4	2,889.66	3/4	2,658.16	3/4	2,426.66	3/4	2,195.16	3/4	1,963.66	3/4	1,732.16	3/4	1,500.66

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-06" OFF CENTERLINE AND 28'-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 "AL 2300"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,495.84	0	1,264.34	0	1,032.85	0	801.35	0	569.85	0	338.35	0	106.87	0		0		0	
1/4	1,491.02	1/4	1,259.52	1/4	1,028.03	1/4	796.53	1/4	565.03	1/4	333.53	1/4	102.05	1/4	1/4		1/4		1/4
1/2	1,486.20	1/2	1,254.70	1/2	1,023.20	1/2	791.70	1/2	560.20	1/2	328.71	1/2	97.24	1/2	1/2		1/2		1/2
3/4	1,481.37	3/4	1,249.87	3/4	1,018.38	3/4	786.88	3/4	555.38	3/4	323.88	3/4	92.42	3/4	3/4		3/4		3/4
1	1,476.55	1	1,245.05	1	1,013.56	1	782.06	1	550.56	1	319.06	1	87.61	1	1		1		1
1/4	1,471.73	1/4	1,240.23	1/4	1,008.73	1/4	777.24	1/4	545.74	1/4	314.24	1/4	82.80	1/4	1/4		1/4		1/4
1/2	1,466.90	1/2	1,235.40	1/2	1,003.91	1/2	772.41	1/2	540.91	1/2	309.41	1/2	78.00	1/2	1/2		1/2		1/2
3/4	1,462.08	3/4	1,230.58	3/4	999.09	3/4	767.59	3/4	536.09	3/4	304.59	3/4	73.20	3/4	3/4		3/4		3/4
2	1,457.26	2	1,225.76	2	994.27	2	762.77	2	531.27	2	299.77	2	68.40	2	2		2		2
1/4	1,452.44	1/4	1,220.94	1/4	989.44	1/4	757.94	1/4	526.44	1/4	294.95	1/4	63.60	1/4	1/4		1/4		1/4
1/2	1,447.61	1/2	1,216.11	1/2	984.62	1/2	753.12	1/2	521.62	1/2	290.12	1/2	58.81	1/2	1/2		1/2		1/2
3/4	1,442.79	3/4	1,211.29	3/4	979.80	3/4	748.30	3/4	516.80	3/4	285.30	3/4	54.03	3/4	3/4		3/4		3/4
3	1,437.97	3	1,206.47	3	974.97	3	743.47	3	511.98	3	280.48	3	49.25	3	3		3		3
1/4	1,433.14	1/4	1,201.64	1/4	970.15	1/4	738.65	1/4	507.15	1/4	275.65	1/4	44.47	1/4	1/4		1/4		1/4
1/2	1,428.32	1/2	1,196.82	1/2	965.33	1/2	733.83	1/2	502.33	1/2	270.83	1/2	39.89	1/2	1/2		1/2		1/2
3/4	1,423.50	3/4	1,192.00	3/4	960.51	3/4	729.01	3/4	497.51	3/4	266.01	3/4	35.31	3/4	3/4		3/4		3/4
4	1,418.67	4	1,187.18	4	955.68	4	724.18	4	492.68	4	261.18	4	30.74	4	4		4		4
1/4	1,413.85	1/4	1,182.35	1/4	950.86	1/4	719.36	1/4	487.86	1/4	256.36	1/4	26.16	1/4	1/4		1/4		1/4
1/2	1,409.03	1/2	1,177.53	1/2	946.04	1/2	714.54	1/2	483.04	1/2	251.54	1/2	22.55	1/2	1/2		1/2		1/2
3/4	1,404.21	3/4	1,172.71	3/4	941.21	3/4	709.71	3/4	478.22	3/4	246.72	3/4	18.93	3/4	3/4		3/4		3/4
5	1,399.38	5	1,167.88	5	936.39	5	704.89	5	473.39	5	241.89	5	15.31	5	5		5		5
1/4	1,394.56	1/4	1,163.06	1/4	931.57	1/4	700.07	1/4	468.57	1/4	237.07	1/4	11.70	1/4	1/4		1/4		1/4
1/2	1,389.74	1/2	1,158.24	1/2	926.75	1/2	695.25	1/2	463.75	1/2	232.25	1/2		1/2	1/2		1/2		1/2
3/4	1,384.91	3/4	1,153.42	3/4	921.92	3/4	690.42	3/4	458.92	3/4	227.42	3/4		3/4	3/4		3/4		3/4
6	1,380.09	6	1,148.59	6	917.10	6	685.60	6	454.10	6	222.60	6		6	6		6		6
1/4	1,375.27	1/4	1,143.77	1/4	912.28	1/4	680.78	1/4	449.28	1/4	217.78	1/4		1/4	1/4		1/4		1/4
1/2	1,370.45	1/2	1,138.95	1/2	907.45	1/2	675.95	1/2	444.46	1/2	212.96	1/2		1/2	1/2		1/2		1/2
3/4	1,365.62	3/4	1,134.12	3/4	902.63	3/4	671.13	3/4	439.63	3/4	208.13	3/4		3/4	3/4		3/4		3/4
7	1,360.80	7	1,129.30	7	897.81	7	666.31	7	434.81	7	203.31	7		7	7		7		7
1/4	1,355.98	1/4	1,124.48	1/4	892.98	1/4	661.49	1/4	429.99	1/4	198.49	1/4		1/4	1/4		1/4		1/4
1/2	1,351.15	1/2	1,119.66	1/2	888.16	1/2	656.66	1/2	425.16	1/2	193.67	1/2		1/2	1/2		1/2		1/2
3/4	1,346.33	3/4	1,114.83	3/4	883.34	3/4	651.84	3/4	420.34	3/4	188.84	3/4		3/4	3/4		3/4		3/4
8	1,341.51	8	1,110.01	8	878.52	8	647.02	8	415.52	8	184.02	8		8	8		8		8
1/4	1,336.69	1/4	1,105.19	1/4	873.69	1/4	642.19	1/4	410.69	1/4	179.20	1/4		1/4	1/4		1/4		1/4
1/2	1,331.86	1/2	1,100.36	1/2	868.87	1/2	637.37	1/2	405.87	1/2	174.38	1/2		1/2	1/2		1/2		1/2
3/4	1,327.04	3/4	1,095.54	3/4	864.05	3/4	632.55	3/4	401.05	3/4	169.55	3/4		3/4	3/4		3/4		3/4
9	1,322.22	9	1,090.72	9	859.22	9	627.73	9	396.23	9	164.73	9		9	9		9		9
1/4	1,317.39	1/4	1,085.89	1/4	854.40	1/4	622.90	1/4	391.40	1/4	159.91	1/4		1/4	1/4		1/4		1/4
1/2	1,312.57	1/2	1,081.07	1/2	849.58	1/2	618.08	1/2	386.58	1/2	155.08	1/2		1/2	1/2		1/2		1/2
3/4	1,307.75	3/4	1,076.25	3/4	844.76	3/4	613.26	3/4	381.76	3/4	150.26	3/4		3/4	3/4		3/4		3/4
10	1,302.93	10	1,071.43	10	839.93	10	608.43	10	376.93	10	145.44	10		10	10		10		10
1/4	1,298.10	1/4	1,066.60	1/4	835.11	1/4	603.61	1/4	372.11	1/4	140.61	1/4		1/4	1/4		1/4		1/4
1/2	1,293.28	1/2	1,061.78	1/2	830.29	1/2	598.79	1/2	367.29	1/2	135.79	1/2		1/2	1/2		1/2		1/2
3/4	1,288.46	3/4	1,056.96	3/4	825.46	3/4	593.96	3/4	362.47	3/4	130.97	3/4		3/4	3/4		3/4		3/4
11	1,283.63	11	1,052.14	11	820.64	11	589.14	11	357.64	11	126.15	11		11	11		11		11
1/4	1,278.81	1/4	1,047.32	1/4	815.82	1/4	584.32	1/4	352.82	1/4	121.32	1/4		1/4	1/4		1/4		1/4
1/2	1,273.99	1/2	1,042.49	1/2	811.00	1/2	579.50	1/2	348.00	1/2	116.51	1/2		1/2	1/2		1/2		1/2
3/4	1,269.16	3/4	1,037.67	3/4	806.17	3/4	574.67	3/4	343.17	3/4	111.69	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2018 SW
CALCULATED: 04/13/2018 CL
VERIFIED: 07/12/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "AL 2300"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							3,121.36		2,889.84		2,658.33		2,426.82		2,195.30		1,963.79		1,732.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,116.53	1/4	2,885.02	1/4	2,653.51	1/4	2,421.99	1/4	2,190.48	1/4	1,958.97	1/4	1,727.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,111.71	1/2	2,880.20	1/2	2,648.68	1/2	2,417.17	1/2	2,185.66	1/2	1,954.14	1/2	1,722.63		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,106.89	3/4	2,875.37	3/4	2,643.86	3/4	2,412.35	3/4	2,180.83	3/4	1,949.32	3/4	1,717.81		
1	1	1	1	1	1	1	3,102.06	1	2,870.55	1	2,639.04	1	2,407.52	1	2,176.01	1	1,944.50	1	1,712.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,097.24	1/4	2,865.73	1/4	2,634.21	1/4	2,402.70	1/4	2,171.19	1/4	1,939.67	1/4	1,708.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,092.42	1/2	2,860.90	1/2	2,629.39	1/2	2,397.88	1/2	2,166.36	1/2	1,934.85	1/2	1,703.34		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,087.60	3/4	2,856.08	3/4	2,624.57	3/4	2,393.05	3/4	2,161.54	3/4	1,930.03	3/4	1,698.51		
2	2	2	2	2	2	2	3,082.77	2	2,851.26	2	2,619.74	2	2,388.23	2	2,156.72	2	1,925.20	2	1,693.69		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,077.95	1/4	2,846.44	1/4	2,614.92	1/4	2,383.41	1/4	2,151.89	1/4	1,920.38	1/4	1,688.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,073.13	1/2	2,841.61	1/2	2,610.10	1/2	2,378.58	1/2	2,147.07	1/2	1,915.56	1/2	1,684.04		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,068.30	3/4	2,836.79	3/4	2,605.28	3/4	2,373.76	3/4	2,142.25	3/4	1,910.73	3/4	1,679.22		
3	3	3	3	3	3	3	3,063.48	3	2,831.97	3	2,600.45	3	2,368.94	3	2,137.42	3	1,905.91	3	1,674.40		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,058.66	1/4	2,827.14	1/4	2,595.63	1/4	2,364.12	1/4	2,132.60	1/4	1,901.09	1/4	1,669.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,053.83	1/2	2,822.32	1/2	2,590.81	1/2	2,359.29	1/2	2,127.78	1/2	1,896.26	1/2	1,664.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,049.01	3/4	2,817.50	3/4	2,585.98	3/4	2,354.47	3/4	2,122.96	3/4	1,891.44	3/4	1,659.93		
4	4	4	4	4	4	4	3,044.19	4	2,812.67	4	2,581.16	4	2,349.65	4	2,118.13	4	1,886.62	4	1,655.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,039.36	1/4	2,807.85	1/4	2,576.34	1/4	2,344.82	1/4	2,113.31	1/4	1,881.80	1/4	1,650.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,034.54	1/2	2,803.03	1/2	2,571.51	1/2	2,340.00	1/2	2,108.49	1/2	1,876.97	1/2	1,645.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,029.72	3/4	2,798.20	3/4	2,566.69	3/4	2,335.18	3/4	2,103.66	3/4	1,872.15	3/4	1,640.64		
5	5	5	5	5	5	5	3,024.89	5	2,793.38	5	2,561.87	5	2,330.35	5	2,098.84	5	1,867.33	5	1,635.81		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,020.07	1/4	2,788.56	1/4	2,557.04	1/4	2,325.53	1/4	2,094.02	1/4	1,862.50	1/4	1,630.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,015.25	1/2	2,783.73	1/2	2,552.22	1/2	2,320.71	1/2	2,089.19	1/2	1,857.68	1/2	1,626.17		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,010.42	3/4	2,778.91	3/4	2,547.40	3/4	2,315.88	3/4	2,084.37	3/4	1,852.86	3/4	1,621.34		
6	6	6	6	6	6	6	3,005.60	6	2,774.09	6	2,542.57	6	2,311.06	6	2,079.55	6	1,848.03	6	1,616.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,000.78	1/4	2,769.26	1/4	2,537.75	1/4	2,306.24	1/4	2,074.72	1/4	1,843.21	1/4	1,611.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,225.08	1/2	2,995.95	1/2	2,764.44	1/2	2,532.93	1/2	2,301.41	1/2	2,069.90	1/2	1,838.39	1/2	1,606.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,220.85	3/4	2,991.13	3/4	2,759.62	3/4	2,528.10	3/4	2,296.59	3/4	2,065.08	3/4	1,833.56	3/4	1,602.05
7	7	7	7	7	7	7	3,216.63	7	2,986.31	7	2,754.79	7	2,523.28	7	2,291.77	7	2,060.25	7	1,828.74	7	1,597.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,212.40	1/4	2,981.48	1/4	2,749.97	1/4	2,518.46	1/4	2,286.94	1/4	2,055.43	1/4	1,823.92	1/4	1,592.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,208.18	1/2	2,976.66	1/2	2,745.15	1/2	2,513.63	1/2	2,282.12	1/2	2,050.61	1/2	1,819.09	1/2	1,587.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,203.35	3/4	2,971.84	3/4	2,740.32	3/4	2,508.81	3/4	2,277.30	3/4	2,045.78	3/4	1,814.27	3/4	1,582.76
8	8	8	8	8	8	8	3,198.53	8	2,967.02	8	2,735.50	8	2,503.99	8	2,272.47	8	2,040.96	8	1,809.45	8	1,577.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,193.71	1/4	2,962.19	1/4	2,730.68	1/4	2,499.16	1/4	2,267.65	1/4	2,036.14	1/4	1,804.62	1/4	1,573.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,188.88	1/2	2,957.37	1/2	2,725.86	1/2	2,494.34	1/2	2,262.83	1/2	2,031.31	1/2	1,799.80	1/2	1,568.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,184.06	3/4	2,952.55	3/4	2,721.03	3/4	2,489.52	3/4	2,258.00	3/4	2,026.49	3/4	1,794.98	3/4	1,563.46
9	9	9	9	9	9	9	3,179.24	9	2,947.72	9	2,716.21	9	2,484.70	9	2,253.18	9	2,021.67	9	1,790.15	9	1,558.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,174.41	1/4	2,942.90	1/4	2,711.39	1/4	2,479.87	1/4	2,248.36	1/4	2,016.84	1/4	1,785.33	1/4	1,553.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,169.59	1/2	2,938.08	1/2	2,706.56	1/2	2,475.05	1/2	2,243.54	1/2	2,012.02	1/2	1,780.51	1/2	1,548.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,164.77	3/4	2,933.25	3/4	2,701.74	3/4	2,470.23	3/4	2,238.71	3/4	2,007.20	3/4	1,775.68	3/4	1,544.17
10	10	10	10	10	10	10	3,159.94	10	2,928.43	10	2,696.92	10	2,465.40	10	2,233.89	10	2,002.38	10	1,770.86	10	1,539.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,155.12	1/4	2,923.61	1/4	2,692.09	1/4	2,460.58	1/4	2,229.07	1/4	1,997.55	1/4	1,766.04	1/4	1,534.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,150.30	1/2	2,918.78	1/2	2,687.27	1/2	2,455.76	1/2	2,224.24	1/2	1,992.73	1/2	1,761.22	1/2	1,529.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,145.47	3/4	2,913.96	3/4	2,682.45	3/4	2,450.93	3/4	2,219.42	3/4	1,987.91	3/4	1,756.39	3/4	1,524.88
11	11	11	11	11	11	11	3,140.65	11	2,909.14	11	2,677.62	11	2,446.11	11	2,214.60	11	1,983.08	11	1,751.57	11	1,520.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,135.83	1/4	2,904.31	1/4	2,672.80	1/4	2,441.29	1/4	2,209.77	1/4	1,978.26	1/4	1,746.75	1/4	1,515.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,131.00	1/2	2,899.49	1/2	2,667.98	1/2	2,436.46	1/2	2,204.95	1/2	1,973.44	1/2	1,741.92	1/2	1,510.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,126.18	3/4	2,894.67	3/4	2,663.15	3/4	2,431.64	3/4	2,200.13	3/4	1,968.61	3/4	1,737.10	3/4	1,505.59

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-06" OFF CENTERLINE AND 28'-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 "AL 2300"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,500.76	0	1,269.25	0	1,037.74	0	806.23	0	574.72	0	343.20	0	111.69	0		0		0	
1/4	1,495.94	1/4	1,264.43	1/4	1,032.92	1/4	801.41	1/4	569.89	1/4	338.37	1/4	106.87	1/4	1/4		1/4		1/4
1/2	1,491.12	1/2	1,259.60	1/2	1,028.10	1/2	796.59	1/2	565.07	1/2	333.55	1/2	102.05	1/2	1/2		1/2		1/2
3/4	1,486.29	3/4	1,254.78	3/4	1,023.28	3/4	791.76	3/4	560.25	3/4	328.73	3/4	97.24	3/4	3/4		3/4		3/4
1	1,481.47	1	1,249.96	1	1,018.45	1	786.94	1	555.42	1	323.90	1	92.43	1	1		1		1
1/4	1,476.65	1/4	1,245.13	1/4	1,013.63	1/4	782.12	1/4	550.60	1/4	319.08	1/4	87.62	1/4	1/4		1/4		1/4
1/2	1,471.82	1/2	1,240.31	1/2	1,008.81	1/2	777.29	1/2	545.78	1/2	314.26	1/2	82.80	1/2	1/2		1/2		1/2
3/4	1,467.00	3/4	1,235.49	3/4	1,003.99	3/4	772.47	3/4	540.95	3/4	309.43	3/4	78.00	3/4	3/4		3/4		3/4
2	1,462.18	2	1,230.66	2	999.17	2	767.65	2	536.13	2	304.61	2	73.20	2	2		2		2
1/4	1,457.35	1/4	1,225.84	1/4	994.34	1/4	762.82	1/4	531.31	1/4	299.79	1/4	68.40	1/4	1/4		1/4		1/4
1/2	1,452.53	1/2	1,221.02	1/2	989.52	1/2	758.00	1/2	526.48	1/2	294.96	1/2	63.60	1/2	1/2		1/2		1/2
3/4	1,447.71	3/4	1,216.19	3/4	984.70	3/4	753.18	3/4	521.66	3/4	290.14	3/4	58.82	3/4	3/4		3/4		3/4
3	1,442.88	3	1,211.37	3	979.87	3	748.36	3	516.84	3	285.32	3	54.03	3	3		3		3
1/4	1,438.06	1/4	1,206.55	1/4	975.05	1/4	743.53	1/4	512.01	1/4	280.49	1/4	49.25	1/4	1/4		1/4		1/4
1/2	1,433.24	1/2	1,201.72	1/2	970.23	1/2	738.71	1/2	507.19	1/2	275.67	1/2	44.47	1/2	1/2		1/2		1/2
3/4	1,428.41	3/4	1,196.90	3/4	965.40	3/4	733.89	3/4	502.37	3/4	270.85	3/4	39.89	3/4	3/4		3/4		3/4
4	1,423.59	4	1,192.08	4	960.58	4	729.06	4	497.54	4	266.03	4	35.31	4	4		4		4
1/4	1,418.77	1/4	1,187.25	1/4	955.76	1/4	724.24	1/4	492.72	1/4	261.20	1/4	30.74	1/4	1/4		1/4		1/4
1/2	1,413.94	1/2	1,182.43	1/2	950.93	1/2	719.42	1/2	487.90	1/2	256.38	1/2	26.16	1/2	1/2		1/2		1/2
3/4	1,409.12	3/4	1,177.61	3/4	946.11	3/4	714.59	3/4	483.07	3/4	251.56	3/4	22.55	3/4	3/4		3/4		3/4
5	1,404.30	5	1,172.78	5	941.29	5	709.77	5	478.25	5	246.73	5	18.93	5	5		5		5
1/4	1,399.48	1/4	1,167.96	1/4	936.46	1/4	704.95	1/4	473.43	1/4	241.91	1/4	15.31	1/4	1/4		1/4		1/4
1/2	1,394.65	1/2	1,163.14	1/2	931.64	1/2	700.12	1/2	468.60	1/2	237.09	1/2	11.70	1/2	1/2		1/2		1/2
3/4	1,389.83	3/4	1,158.32	3/4	926.82	3/4	695.30	3/4	463.78	3/4	232.26	3/4		3/4	3/4		3/4		3/4
6	1,385.01	6	1,153.49	6	921.99	6	690.48	6	458.96	6	227.44	6		6	6		6		6
1/4	1,380.18	1/4	1,148.67	1/4	917.17	1/4	685.65	1/4	454.13	1/4	222.62	1/4		1/4	1/4		1/4		1/4
1/2	1,375.36	1/2	1,143.85	1/2	912.35	1/2	680.83	1/2	449.31	1/2	217.79	1/2		1/2	1/2		1/2		1/2
3/4	1,370.54	3/4	1,139.02	3/4	907.52	3/4	676.01	3/4	444.49	3/4	212.97	3/4		3/4	3/4		3/4		3/4
7	1,365.71	7	1,134.20	7	902.70	7	671.18	7	439.66	7	208.15	7		7	7		7		7
1/4	1,360.89	1/4	1,129.38	1/4	897.88	1/4	666.36	1/4	434.84	1/4	203.32	1/4		1/4	1/4		1/4		1/4
1/2	1,356.07	1/2	1,124.55	1/2	893.05	1/2	661.54	1/2	430.02	1/2	198.50	1/2		1/2	1/2		1/2		1/2
3/4	1,351.24	3/4	1,119.73	3/4	888.23	3/4	656.71	3/4	425.19	3/4	193.68	3/4		3/4	3/4		3/4		3/4
8	1,346.42	8	1,114.91	8	883.41	8	651.89	8	420.37	8	188.85	8		8	8		8		8
1/4	1,341.60	1/4	1,110.08	1/4	878.58	1/4	647.07	1/4	415.55	1/4	184.03	1/4		1/4	1/4		1/4		1/4
1/2	1,336.77	1/2	1,105.26	1/2	873.76	1/2	642.24	1/2	410.72	1/2	179.21	1/2		1/2	1/2		1/2		1/2
3/4	1,331.95	3/4	1,100.44	3/4	868.94	3/4	637.42	3/4	405.90	3/4	174.39	3/4		3/4	3/4		3/4		3/4
9	1,327.13	9	1,095.61	9	864.11	9	632.60	9	401.08	9	169.56	9		9	9		9		9
1/4	1,322.30	1/4	1,090.79	1/4	859.29	1/4	627.77	1/4	396.25	1/4	164.74	1/4		1/4	1/4		1/4		1/4
1/2	1,317.48	1/2	1,085.97	1/2	854.47	1/2	622.95	1/2	391.43	1/2	159.92	1/2		1/2	1/2		1/2		1/2
3/4	1,312.66	3/4	1,081.14	3/4	849.64	3/4	618.13	3/4	386.61	3/4	155.09	3/4		3/4	3/4		3/4		3/4
10	1,307.83	10	1,076.32	10	844.82	10	613.30	10	381.78	10	150.27	10		10	10		10		10
1/4	1,303.01	1/4	1,071.50	1/4	840.00	1/4	608.48	1/4	376.96	1/4	145.45	1/4		1/4	1/4		1/4		1/4
1/2	1,298.19	1/2	1,066.67	1/2	835.17	1/2	603.66	1/2	372.14	1/2	140.62	1/2		1/2	1/2		1/2		1/2
3/4	1,293.36	3/4	1,061.85	3/4	830.35	3/4	598.83	3/4	367.31	3/4	135.80	3/4		3/4	3/4		3/4		3/4
11	1,288.54	11	1,057.03	11	825.53	11	594.01	11	362.49	11	130.98	11		11	11		11		11
1/4	1,283.72	1/4	1,052.21	1/4	820.70	1/4	589.19	1/4	357.67	1/4	126.15	1/4		1/4	1/4		1/4		1/4
1/2	1,278.90	1/2	1,047.39	1/2	815.88	1/2	584.36	1/2	352.84	1/2	121.33	1/2		1/2	1/2		1/2		1/2
3/4	1,274.07	3/4	1,042.56	3/4	811.06	3/4	579.54	3/4	348.02	3/4	116.51	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2018 SW
CALCULATED: 04/13/2018 CL
VERIFIED: 07/12/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "AL 2300"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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		0		0	3,119.60	0	2,888.22	0	2,656.84	0	2,425.45	0	2,194.07	0	1,962.68	0	1,731.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,114.78	1/4	2,883.40	1/4	2,652.01	1/4	2,420.63	1/4	2,189.25	1/4	1,957.86	1/4	1,726.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,109.96	1/2	2,878.58	1/2	2,647.19	1/2	2,415.81	1/2	2,184.43	1/2	1,953.04	1/2	1,721.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,105.14	3/4	2,873.76	3/4	2,642.37	3/4	2,410.99	3/4	2,179.61	3/4	1,948.22	3/4	1,716.84		
1		1		1		1	3,100.32	1	2,868.94	1	2,637.55	1	2,406.17	1	2,174.79	1	1,943.40	1	1,712.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,095.50	1/4	2,864.12	1/4	2,632.73	1/4	2,401.35	1/4	2,169.96	1/4	1,938.58	1/4	1,707.20		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,090.68	1/2	2,859.30	1/2	2,627.91	1/2	2,396.53	1/2	2,165.14	1/2	1,933.76	1/2	1,702.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,085.86	3/4	2,854.48	3/4	2,623.09	3/4	2,391.71	3/4	2,160.32	3/4	1,928.94	3/4	1,697.56		
2		2		2		2	3,081.04	2	2,849.66	2	2,618.27	2	2,386.89	2	2,155.50	2	1,924.12	2	1,692.74		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,076.22	1/4	2,844.83	1/4	2,613.45	1/4	2,382.07	1/4	2,150.68	1/4	1,919.30	1/4	1,687.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,071.40	1/2	2,840.01	1/2	2,608.63	1/2	2,377.25	1/2	2,145.86	1/2	1,914.48	1/2	1,683.09		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,066.58	3/4	2,835.19	3/4	2,603.81	3/4	2,372.43	3/4	2,141.04	3/4	1,909.66	3/4	1,678.27		
3		3		3		3	3,061.76	3	2,830.37	3	2,598.99	3	2,367.61	3	2,136.22	3	1,904.84	3	1,673.45		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,056.94	1/4	2,825.55	1/4	2,594.17	1/4	2,362.78	1/4	2,131.40	1/4	1,900.02	1/4	1,668.63		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,052.12	1/2	2,820.73	1/2	2,589.35	1/2	2,357.96	1/2	2,126.58	1/2	1,895.20	1/2	1,663.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,047.30	3/4	2,815.91	3/4	2,584.53	3/4	2,353.14	3/4	2,121.76	3/4	1,890.38	3/4	1,658.99		
4		4		4		4	3,042.48	4	2,811.09	4	2,579.71	4	2,348.32	4	2,116.94	4	1,885.56	4	1,654.17		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,037.65	1/4	2,806.27	1/4	2,574.89	1/4	2,343.50	1/4	2,112.12	1/4	1,880.73	1/4	1,649.35		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,032.83	1/2	2,801.45	1/2	2,570.07	1/2	2,338.68	1/2	2,107.30	1/2	1,875.91	1/2	1,644.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,028.01	3/4	2,796.63	3/4	2,565.25	3/4	2,333.86	3/4	2,102.48	3/4	1,871.09	3/4	1,639.71		
5		5		5		5	3,023.19	5	2,791.81	5	2,560.43	5	2,329.04	5	2,097.66	5	1,866.27	5	1,634.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,018.37	1/4	2,786.99	1/4	2,555.60	1/4	2,324.22	1/4	2,092.84	1/4	1,861.45	1/4	1,630.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,013.55	1/2	2,782.17	1/2	2,550.78	1/2	2,319.40	1/2	2,088.02	1/2	1,856.63	1/2	1,625.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,008.73	3/4	2,777.35	3/4	2,545.96	3/4	2,314.58	3/4	2,083.20	3/4	1,851.81	3/4	1,620.43		
6		6		6		6	3,003.91	6	2,772.53	6	2,541.14	6	2,309.76	6	2,078.38	6	1,846.99	6	1,615.61		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,999.09	1/4	2,767.71	1/4	2,536.32	1/4	2,304.94	1/4	2,073.55	1/4	1,842.17	1/4	1,610.79		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,223.26	1/2	2,994.27	1/2	2,762.89	1/2	2,531.50	1/2	2,300.12	1/2	2,068.73	1/2	1,837.35	1/2	1,605.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,219.04	3/4	2,989.45	3/4	2,758.07	3/4	2,526.68	3/4	2,295.30	3/4	2,063.91	3/4	1,832.53	3/4	1,601.15
7		7		7		7	3,214.82	7	2,984.63	7	2,753.25	7	2,521.86	7	2,290.48	7	2,059.09	7	1,827.71	7	1,596.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,210.59	1/4	2,979.81	1/4	2,748.42	1/4	2,517.04	1/4	2,285.66	1/4	2,054.27	1/4	1,822.89	1/4	1,591.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,206.37	1/2	2,974.99	1/2	2,743.60	1/2	2,512.22	1/2	2,280.84	1/2	2,049.45	1/2	1,818.07	1/2	1,586.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,202.15	3/4	2,970.17	3/4	2,738.78	3/4	2,507.40	3/4	2,276.02	3/4	2,044.63	3/4	1,813.25	3/4	1,581.86
8		8		8		8	3,196.73	8	2,965.35	8	2,733.96	8	2,502.58	8	2,271.20	8	2,039.81	8	1,808.43	8	1,577.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,191.91	1/4	2,960.53	1/4	2,729.14	1/4	2,497.76	1/4	2,266.37	1/4	2,034.99	1/4	1,803.61	1/4	1,572.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,187.09	1/2	2,955.71	1/2	2,724.32	1/2	2,492.94	1/2	2,261.55	1/2	2,030.17	1/2	1,798.79	1/2	1,567.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,182.27	3/4	2,950.89	3/4	2,719.50	3/4	2,488.12	3/4	2,256.73	3/4	2,025.35	3/4	1,793.97	3/4	1,562.58
9		9		9		9	3,177.45	9	2,946.07	9	2,714.68	9	2,483.30	9	2,251.91	9	2,020.53	9	1,789.15	9	1,557.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,172.63	1/4	2,941.24	1/4	2,709.86	1/4	2,478.48	1/4	2,247.09	1/4	2,015.71	1/4	1,784.32	1/4	1,552.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,167.81	1/2	2,936.42	1/2	2,705.04	1/2	2,473.66	1/2	2,242.27	1/2	2,010.89	1/2	1,779.50	1/2	1,548.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,162.99	3/4	2,931.60	3/4	2,700.22	3/4	2,468.84	3/4	2,237.45	3/4	2,006.07	3/4	1,774.68	3/4	1,543.30
10		10		10		10	3,158.17	10	2,926.78	10	2,695.40	10	2,464.02	10	2,232.63	10	2,001.25	10	1,769.86	10	1,538.48
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,153.35	1/4	2,921.96	1/4	2,690.58	1/4	2,459.19	1/4	2,227.81	1/4	1,996.43	1/4	1,765.04	1/4	1,533.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,148.53	1/2	2,917.14	1/2	2,685.76	1/2	2,454.37	1/2	2,222.99	1/2	1,991.61	1/2	1,760.22	1/2	1,528.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,143.71	3/4	2,912.32	3/4	2,680.94	3/4	2,449.55	3/4	2,218.17	3/4	1,986.79	3/4	1,755.40	3/4	1,524.02
11		11		11		11	3,138.89	11	2,907.50	11	2,676.12	11	2,444.73	11	2,213.35	11	1,981.97	11	1,750.58	11	1,519.20
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,134.06	1/4	2,902.68	1/4	2,671.30	1/4	2,439.91	1/4	2,208.53	1/4	1,977.14	1/4	1,745.76	1/4	1,514.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,129.24	1/2	2,897.86	1/2	2,666.48	1/2	2,435.09	1/2	2,203.71	1/2	1,972.32	1/2	1,740.94	1/2	1,509.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,124.42	3/4	2,893.04	3/4	2,661.66	3/4	2,430.27	3/4	2,198.89	3/4	1,967.50	3/4	1,736.12	3/4	1,504.74

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-06" OFF CENTERLINE AND 28'-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 "AL 2300"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,499.92	0	1,268.53	0	1,037.15	0	805.77	0	574.39	0	343.00	0	111.63	0		0		0	
1/4	1,495.09	1/4	1,263.71	1/4	1,032.33	1/4	800.95	1/4	569.56	1/4	338.18	1/4	106.81	1/4		1/4		1/4	
1/2	1,490.27	1/2	1,258.89	1/2	1,027.51	1/2	796.13	1/2	564.74	1/2	333.36	1/2	102.00	1/2		1/2		1/2	
3/4	1,485.45	3/4	1,254.07	3/4	1,022.69	3/4	791.31	3/4	559.92	3/4	328.54	3/4	97.19	3/4		3/4		3/4	
1	1,480.63	1	1,249.25	1	1,017.87	1	786.49	1	555.10	1	323.72	1	92.38	1		1		1	
1/4	1,475.81	1/4	1,244.43	1/4	1,013.05	1/4	781.67	1/4	550.28	1/4	318.90	1/4	87.57	1/4		1/4		1/4	
1/2	1,470.99	1/2	1,239.61	1/2	1,008.23	1/2	776.85	1/2	545.46	1/2	314.08	1/2	82.76	1/2		1/2		1/2	
3/4	1,466.17	3/4	1,234.79	3/4	1,003.41	3/4	772.03	3/4	540.64	3/4	309.26	3/4	77.96	3/4		3/4		3/4	
2	1,461.35	2	1,229.97	2	998.59	2	767.21	2	535.82	2	304.44	2	73.16	2		2		2	
1/4	1,456.53	1/4	1,225.15	1/4	993.77	1/4	762.38	1/4	531.00	1/4	299.62	1/4	68.36	1/4		1/4		1/4	
1/2	1,451.71	1/2	1,220.33	1/2	988.95	1/2	757.56	1/2	526.18	1/2	294.80	1/2	63.56	1/2		1/2		1/2	
3/4	1,446.89	3/4	1,215.51	3/4	984.13	3/4	752.74	3/4	521.36	3/4	289.98	3/4	58.78	3/4		3/4		3/4	
3	1,442.07	3	1,210.69	3	979.31	3	747.92	3	516.54	3	285.16	3	54.00	3		3		3	
1/4	1,437.25	1/4	1,205.86	1/4	974.49	1/4	743.10	1/4	511.72	1/4	280.33	1/4	49.22	1/4		1/4		1/4	
1/2	1,432.43	1/2	1,201.04	1/2	969.67	1/2	738.28	1/2	506.90	1/2	275.51	1/2	44.44	1/2		1/2		1/2	
3/4	1,427.61	3/4	1,196.22	3/4	964.85	3/4	733.46	3/4	502.08	3/4	270.69	3/4	39.87	3/4		3/4		3/4	
4	1,422.79	4	1,191.40	4	960.03	4	728.64	4	497.26	4	265.87	4	35.29	4		4		4	
1/4	1,417.97	1/4	1,186.58	1/4	955.20	1/4	723.82	1/4	492.44	1/4	261.05	1/4	30.72	1/4		1/4		1/4	
1/2	1,413.15	1/2	1,181.76	1/2	950.38	1/2	719.00	1/2	487.62	1/2	256.23	1/2	26.15	1/2		1/2		1/2	
3/4	1,408.33	3/4	1,176.94	3/4	945.56	3/4	714.18	3/4	482.80	3/4	251.41	3/4	22.53	3/4		3/4		3/4	
5	1,403.51	5	1,172.12	5	940.74	5	709.36	5	477.98	5	246.59	5	18.92	5		5		5	
1/4	1,398.68	1/4	1,167.30	1/4	935.92	1/4	704.54	1/4	473.15	1/4	241.77	1/4	15.30	1/4		1/4		1/4	
1/2	1,393.86	1/2	1,162.48	1/2	931.10	1/2	699.72	1/2	468.33	1/2	236.95	1/2	11.70	1/2		1/2		1/2	
3/4	1,389.04	3/4	1,157.66	3/4	926.28	3/4	694.90	3/4	463.51	3/4	232.13	3/4		3/4		3/4		3/4	
6	1,384.22	6	1,152.84	6	921.46	6	690.08	6	458.69	6	227.31	6		6		6		6	
1/4	1,379.40	1/4	1,148.02	1/4	916.64	1/4	685.26	1/4	453.87	1/4	222.49	1/4		1/4		1/4		1/4	
1/2	1,374.58	1/2	1,143.20	1/2	911.82	1/2	680.44	1/2	449.05	1/2	217.67	1/2		1/2		1/2		1/2	
3/4	1,369.76	3/4	1,138.38	3/4	907.00	3/4	675.62	3/4	444.23	3/4	212.85	3/4		3/4		3/4		3/4	
7	1,364.94	7	1,133.56	7	902.18	7	670.80	7	439.41	7	208.03	7		7		7		7	
1/4	1,360.12	1/4	1,128.74	1/4	897.36	1/4	665.97	1/4	434.59	1/4	203.21	1/4		1/4		1/4		1/4	
1/2	1,355.30	1/2	1,123.92	1/2	892.54	1/2	661.15	1/2	429.77	1/2	198.39	1/2		1/2		1/2		1/2	
3/4	1,350.48	3/4	1,119.10	3/4	887.72	3/4	656.33	3/4	424.95	3/4	193.57	3/4		3/4		3/4		3/4	
8	1,345.66	8	1,114.28	8	882.90	8	651.51	8	420.13	8	188.75	8		8		8		8	
1/4	1,340.84	1/4	1,109.45	1/4	878.08	1/4	646.69	1/4	415.31	1/4	183.93	1/4		1/4		1/4		1/4	
1/2	1,336.02	1/2	1,104.63	1/2	873.26	1/2	641.87	1/2	410.49	1/2	179.11	1/2		1/2		1/2		1/2	
3/4	1,331.20	3/4	1,099.81	3/4	868.44	3/4	637.05	3/4	405.67	3/4	174.29	3/4		3/4		3/4		3/4	
9	1,326.38	9	1,094.99	9	863.62	9	632.23	9	400.85	9	169.47	9		9		9		9	
1/4	1,321.56	1/4	1,090.17	1/4	858.79	1/4	627.41	1/4	396.03	1/4	164.65	1/4		1/4		1/4		1/4	
1/2	1,316.74	1/2	1,085.35	1/2	853.97	1/2	622.59	1/2	391.21	1/2	159.83	1/2		1/2		1/2		1/2	
3/4	1,311.92	3/4	1,080.53	3/4	849.15	3/4	617.77	3/4	386.39	3/4	155.00	3/4		3/4		3/4		3/4	
10	1,307.10	10	1,075.71	10	844.33	10	612.95	10	381.57	10	150.18	10		10		10		10	
1/4	1,302.27	1/4	1,070.89	1/4	839.51	1/4	608.13	1/4	376.74	1/4	145.36	1/4		1/4		1/4		1/4	
1/2	1,297.45	1/2	1,066.07	1/2	834.69	1/2	603.31	1/2	371.92	1/2	140.54	1/2		1/2		1/2		1/2	
3/4	1,292.63	3/4	1,061.25	3/4	829.87	3/4	598.49	3/4	367.10	3/4	135.72	3/4		3/4		3/4		3/4	
11	1,287.81	11	1,056.43	11	825.05	11	593.67	11	362.28	11	130.90	11		11		11		11	
1/4	1,282.99	1/4	1,051.61	1/4	820.23	1/4	588.85	1/4	357.46	1/4	126.08	1/4		1/4		1/4		1/4	
1/2	1,278.17	1/2	1,046.79	1/2	815.41	1/2	584.03	1/2	352.64	1/2	121.26	1/2		1/2		1/2		1/2	
3/4	1,273.35	3/4	1,041.97	3/4	810.59	3/4	579.21	3/4	347.82	3/4	116.45	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2018 SW
CALCULATED: 04/13/2018 CL
VERIFIED: 07/12/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "AL 2300"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	3,124.09	0	2,892.73	0	2,661.37	0	2,430.01	0	2,198.65	0	1,967.29	0	1,735.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,119.27	1/4	2,887.91	1/4	2,656.55	1/4	2,425.19	1/4	2,193.83	1/4	1,962.47	1/4	1,731.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,114.45	1/2	2,883.09	1/2	2,651.73	1/2	2,420.37	1/2	2,189.01	1/2	1,957.65	1/2	1,726.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,109.63	3/4	2,878.27	3/4	2,646.91	3/4	2,415.55	3/4	2,184.19	3/4	1,952.83	3/4	1,721.47
1	1	1	1	1	1	1	3,104.81	1	2,873.45	1	2,642.09	1	2,410.73	1	2,179.37	1	1,948.01	1	1,716.65
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,099.99	1/4	2,868.63	1/4	2,637.27	1/4	2,405.91	1/4	2,174.55	1/4	1,943.19	1/4	1,711.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,095.17	1/2	2,863.81	1/2	2,632.45	1/2	2,401.09	1/2	2,169.73	1/2	1,938.37	1/2	1,707.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,090.35	3/4	2,858.99	3/4	2,627.63	3/4	2,396.27	3/4	2,164.91	3/4	1,933.55	3/4	1,702.19
2	2	2	2	2	2	2	3,085.53	2	2,854.17	2	2,622.81	2	2,391.45	2	2,160.09	2	1,928.73	2	1,697.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,080.71	1/4	2,849.35	1/4	2,617.99	1/4	2,386.63	1/4	2,155.27	1/4	1,923.91	1/4	1,692.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,075.89	1/2	2,844.53	1/2	2,613.17	1/2	2,381.81	1/2	2,150.45	1/2	1,919.09	1/2	1,687.73
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,071.07	3/4	2,839.71	3/4	2,608.35	3/4	2,376.99	3/4	2,145.63	3/4	1,914.27	3/4	1,682.91
3	3	3	3	3	3	3	3,066.25	3	2,834.89	3	2,603.53	3	2,372.17	3	2,140.81	3	1,909.45	3	1,678.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,061.43	1/4	2,830.07	1/4	2,598.71	1/4	2,367.35	1/4	2,135.99	1/4	1,904.63	1/4	1,673.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,056.61	1/2	2,825.25	1/2	2,593.89	1/2	2,362.53	1/2	2,131.17	1/2	1,899.81	1/2	1,668.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,051.79	3/4	2,820.43	3/4	2,589.07	3/4	2,357.71	3/4	2,126.35	3/4	1,894.99	3/4	1,663.63
4	4	4	4	4	4	4	3,046.97	4	2,815.61	4	2,584.25	4	2,352.89	4	2,121.53	4	1,890.17	4	1,658.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,042.15	1/4	2,810.79	1/4	2,579.43	1/4	2,348.07	1/4	2,116.71	1/4	1,885.35	1/4	1,653.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,037.33	1/2	2,805.97	1/2	2,574.61	1/2	2,343.25	1/2	2,111.89	1/2	1,880.53	1/2	1,649.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,032.51	3/4	2,801.15	3/4	2,569.79	3/4	2,338.43	3/4	2,107.07	3/4	1,875.71	3/4	1,644.35
5	5	5	5	5	5	5	3,027.69	5	2,796.33	5	2,564.97	5	2,333.61	5	2,102.25	5	1,870.89	5	1,639.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,022.87	1/4	2,791.51	1/4	2,560.15	1/4	2,328.79	1/4	2,097.43	1/4	1,866.07	1/4	1,634.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,018.05	1/2	2,786.69	1/2	2,555.33	1/2	2,323.97	1/2	2,092.61	1/2	1,861.25	1/2	1,629.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,013.23	3/4	2,781.87	3/4	2,550.51	3/4	2,319.15	3/4	2,087.79	3/4	1,856.43	3/4	1,625.07
6	6	6	6	6	6	6	3,008.41	6	2,777.05	6	2,545.69	6	2,314.33	6	2,082.97	6	1,851.61	6	1,620.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,003.59	1/4	2,772.23	1/4	2,540.87	1/4	2,309.51	1/4	2,078.15	1/4	1,846.79	1/4	1,615.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,998.77	1/2	2,767.41	1/2	2,536.05	1/2	2,304.69	1/2	2,073.33	1/2	1,841.97	1/2	1,610.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,222.88	3/4	2,993.95	3/4	2,762.59	3/4	2,531.23	3/4	2,299.87	3/4	2,068.51	3/4	1,837.15
7	7	7	7	7	7	7	3,218.67	7	2,989.13	7	2,757.77	7	2,526.41	7	2,295.05	7	2,063.69	7	1,832.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,214.45	1/4	2,984.31	1/4	2,752.95	1/4	2,521.59	1/4	2,290.23	1/4	2,058.87	1/4	1,827.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,210.24	1/2	2,979.49	1/2	2,748.13	1/2	2,516.77	1/2	2,285.41	1/2	2,054.05	1/2	1,822.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,206.03	3/4	2,974.67	3/4	2,743.31	3/4	2,511.95	3/4	2,280.59	3/4	2,049.23	3/4	1,817.87
8	8	8	8	8	8	8	3,201.21	8	2,969.85	8	2,738.49	8	2,507.13	8	2,275.77	8	2,044.41	8	1,813.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,196.39	1/4	2,965.03	1/4	2,733.67	1/4	2,502.31	1/4	2,270.95	1/4	2,039.59	1/4	1,808.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,191.57	1/2	2,960.21	1/2	2,728.85	1/2	2,497.49	1/2	2,266.13	1/2	2,034.77	1/2	1,803.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,186.75	3/4	2,955.39	3/4	2,724.03	3/4	2,492.67	3/4	2,261.31	3/4	2,029.95	3/4	1,798.59
9	9	9	9	9	9	9	3,181.93	9	2,950.57	9	2,719.21	9	2,487.85	9	2,256.49	9	2,025.13	9	1,793.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,177.11	1/4	2,945.75	1/4	2,714.39	1/4	2,483.03	1/4	2,251.67	1/4	2,020.31	1/4	1,788.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,172.29	1/2	2,940.93	1/2	2,709.57	1/2	2,478.21	1/2	2,246.85	1/2	2,015.49	1/2	1,784.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,167.47	3/4	2,936.11	3/4	2,704.75	3/4	2,473.39	3/4	2,242.03	3/4	2,010.67	3/4	1,779.31
10	10	10	10	10	10	10	3,162.65	10	2,931.29	10	2,699.93	10	2,468.57	10	2,237.21	10	2,005.85	10	1,774.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,157.83	1/4	2,926.47	1/4	2,695.11	1/4	2,463.75	1/4	2,232.39	1/4	2,001.03	1/4	1,769.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,153.01	1/2	2,921.65	1/2	2,690.29	1/2	2,458.93	1/2	2,227.57	1/2	1,996.21	1/2	1,764.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,148.19	3/4	2,916.83	3/4	2,685.47	3/4	2,454.11	3/4	2,222.75	3/4	1,991.39	3/4	1,760.03
11	11	11	11	11	11	11	3,143.37	11	2,912.01	11	2,680.65	11	2,449.29	11	2,217.93	11	1,986.57	11	1,755.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,138.55	1/4	2,907.19	1/4	2,675.83	1/4	2,444.47	1/4	2,213.11	1/4	1,981.75	1/4	1,750.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,133.73	1/2	2,902.37	1/2	2,671.01	1/2	2,439.65	1/2	2,208.29	1/2	1,976.93	1/2	1,745.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,128.91	3/4	2,897.55	3/4	2,666.19	3/4	2,434.83	3/4	2,203.47	3/4	1,972.11	3/4	1,740.75

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-06" OFF CENTERLINE AND 28'-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 "AL 2300"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,504.57	0	1,273.21	0	1,041.85	0	810.49	0	579.14	0	347.78	0	116.44	0		0		0	
1/4	1,499.75	1/4	1,268.39	1/4	1,037.03	1/4	805.67	1/4	574.32	1/4	342.96	1/4	111.62	1/4	1/4		1/4		1/4
1/2	1,494.93	1/2	1,263.57	1/2	1,032.22	1/2	800.86	1/2	569.50	1/2	338.14	1/2	106.80	1/2	1/2		1/2		1/2
3/4	1,490.11	3/4	1,258.75	3/4	1,027.40	3/4	796.04	3/4	564.68	3/4	333.32	3/4	101.99	3/4	3/4		3/4		3/4
1	1,485.29	1	1,253.93	1	1,022.57	1	791.22	1	559.86	1	328.50	1	97.18	1	1		1		1
1/4	1,480.47	1/4	1,249.11	1/4	1,017.75	1/4	786.40	1/4	555.04	1/4	323.68	1/4	92.37	1/4	1/4		1/4		1/4
1/2	1,475.65	1/2	1,244.29	1/2	1,012.93	1/2	781.58	1/2	550.22	1/2	318.87	1/2	87.56	1/2	1/2		1/2		1/2
3/4	1,470.83	3/4	1,239.47	3/4	1,008.11	3/4	776.76	3/4	545.40	3/4	314.05	3/4	82.75	3/4	3/4		3/4		3/4
2	1,466.01	2	1,234.65	2	1,003.29	2	771.94	2	540.58	2	309.23	2	77.95	2	2		2		2
1/4	1,461.19	1/4	1,229.83	1/4	998.47	1/4	767.12	1/4	535.76	1/4	304.41	1/4	73.16	1/4	1/4		1/4		1/4
1/2	1,456.37	1/2	1,225.01	1/2	993.65	1/2	762.30	1/2	530.94	1/2	299.59	1/2	68.36	1/2	1/2		1/2		1/2
3/4	1,451.55	3/4	1,220.19	3/4	988.83	3/4	757.48	3/4	526.12	3/4	294.77	3/4	63.56	3/4	3/4		3/4		3/4
3	1,446.73	3	1,215.37	3	984.01	3	752.66	3	521.30	3	289.95	3	58.78	3	3		3		3
1/4	1,441.91	1/4	1,210.55	1/4	979.19	1/4	747.84	1/4	516.48	1/4	285.13	1/4	54.00	1/4	1/4		1/4		1/4
1/2	1,437.09	1/2	1,205.73	1/2	974.37	1/2	743.02	1/2	511.66	1/2	280.31	1/2	49.22	1/2	1/2		1/2		1/2
3/4	1,432.27	3/4	1,200.91	3/4	969.55	3/4	738.20	3/4	506.84	3/4	275.49	3/4	44.44	3/4	3/4		3/4		3/4
4	1,427.45	4	1,196.09	4	964.73	4	733.38	4	502.02	4	270.67	4	39.87	4	4		4		4
1/4	1,422.63	1/4	1,191.27	1/4	959.91	1/4	728.56	1/4	497.20	1/4	265.85	1/4	35.29	1/4	1/4		1/4		1/4
1/2	1,417.81	1/2	1,186.45	1/2	955.09	1/2	723.74	1/2	492.38	1/2	261.03	1/2	30.72	1/2	1/2		1/2		1/2
3/4	1,412.99	3/4	1,181.63	3/4	950.27	3/4	718.92	3/4	487.56	3/4	256.21	3/4	26.15	3/4	3/4		3/4		3/4
5	1,408.17	5	1,176.81	5	945.45	5	714.10	5	482.74	5	251.39	5	22.53	5	5		5		5
1/4	1,403.35	1/4	1,171.99	1/4	940.63	1/4	709.28	1/4	477.92	1/4	246.57	1/4	18.92	1/4	1/4		1/4		1/4
1/2	1,398.53	1/2	1,167.17	1/2	935.81	1/2	704.46	1/2	473.10	1/2	241.75	1/2	15.31	1/2	1/2		1/2		1/2
3/4	1,393.71	3/4	1,162.35	3/4	930.99	3/4	699.64	3/4	468.28	3/4	236.93	3/4	11.69	3/4	3/4		3/4		3/4
6	1,388.89	6	1,157.53	6	926.17	6	694.82	6	463.46	6	232.11	6		6	6		6		6
1/4	1,384.07	1/4	1,152.71	1/4	921.35	1/4	690.00	1/4	458.64	1/4	227.29	1/4		1/4	1/4		1/4		1/4
1/2	1,379.25	1/2	1,147.89	1/2	916.53	1/2	685.18	1/2	453.82	1/2	222.47	1/2		1/2	1/2		1/2		1/2
3/4	1,374.43	3/4	1,143.07	3/4	911.71	3/4	680.36	3/4	449.00	3/4	217.65	3/4		3/4	3/4		3/4		3/4
7	1,369.61	7	1,138.25	7	906.89	7	675.54	7	444.18	7	212.83	7		7	7		7		7
1/4	1,364.79	1/4	1,133.43	1/4	902.07	1/4	670.72	1/4	439.36	1/4	208.01	1/4		1/4	1/4		1/4		1/4
1/2	1,359.97	1/2	1,128.61	1/2	897.25	1/2	665.90	1/2	434.54	1/2	203.19	1/2		1/2	1/2		1/2		1/2
3/4	1,355.15	3/4	1,123.79	3/4	892.43	3/4	661.08	3/4	429.72	3/4	198.37	3/4		3/4	3/4		3/4		3/4
8	1,350.33	8	1,118.97	8	887.61	8	656.26	8	424.90	8	193.55	8		8	8		8		8
1/4	1,345.51	1/4	1,114.15	1/4	882.79	1/4	651.44	1/4	420.08	1/4	188.73	1/4		1/4	1/4		1/4		1/4
1/2	1,340.69	1/2	1,109.33	1/2	877.97	1/2	646.62	1/2	415.26	1/2	183.91	1/2		1/2	1/2		1/2		1/2
3/4	1,335.87	3/4	1,104.51	3/4	873.15	3/4	641.80	3/4	410.44	3/4	179.09	3/4		3/4	3/4		3/4		3/4
9	1,331.05	9	1,099.69	9	868.33	9	636.98	9	405.62	9	174.27	9		9	9		9		9
1/4	1,326.23	1/4	1,094.87	1/4	863.51	1/4	632.16	1/4	400.80	1/4	169.45	1/4		1/4	1/4		1/4		1/4
1/2	1,321.41	1/2	1,090.05	1/2	858.69	1/2	627.34	1/2	395.98	1/2	164.63	1/2		1/2	1/2		1/2		1/2
3/4	1,316.59	3/4	1,085.23	3/4	853.87	3/4	622.52	3/4	391.16	3/4	159.81	3/4		3/4	3/4		3/4		3/4
10	1,311.77	10	1,080.41	10	849.05	10	617.70	10	386.34	10	154.99	10		10	10		10		10
1/4	1,306.95	1/4	1,075.59	1/4	844.23	1/4	612.88	1/4	381.52	1/4	150.17	1/4		1/4	1/4		1/4		1/4
1/2	1,302.13	1/2	1,070.77	1/2	839.41	1/2	608.06	1/2	376.70	1/2	145.35	1/2		1/2	1/2		1/2		1/2
3/4	1,297.31	3/4	1,065.95	3/4	834.59	3/4	603.24	3/4	371.88	3/4	140.53	3/4		3/4	3/4		3/4		3/4
11	1,292.49	11	1,061.13	11	829.77	11	598.42	11	367.06	11	135.71	11		11	11		11		11
1/4	1,287.67	1/4	1,056.31	1/4	824.95	1/4	593.60	1/4	362.24	1/4	130.89	1/4		1/4	1/4		1/4		1/4
1/2	1,282.85	1/2	1,051.49	1/2	820.13	1/2	588.78	1/2	357.42	1/2	126.07	1/2		1/2	1/2		1/2		1/2
3/4	1,278.03	3/4	1,046.67	3/4	815.31	3/4	583.96	3/4	352.60	3/4	121.25	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2018 SW
CALCULATED: 04/13/2018 CL
VERIFIED: 07/12/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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



BARGE "AL 2300"

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 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		0		0		0	3,120.28	0	2,888.49	0	2,656.69	0	2,424.90	0	2,193.11	0	1,961.32	0	1,729.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,115.45	1/4	2,883.66	1/4	2,651.86	1/4	2,420.07	1/4	2,188.28	1/4	1,956.49	1/4	1,724.70		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,110.62	1/2	2,878.83	1/2	2,647.04	1/2	2,415.24	1/2	2,183.45	1/2	1,951.66	1/2	1,719.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,105.79	3/4	2,874.00	3/4	2,642.21	3/4	2,410.41	3/4	2,178.62	3/4	1,946.83	3/4	1,715.04		
1		1		1		1	3,100.96	1	2,869.17	1	2,637.38	1	2,405.59	1	2,173.79	1	1,942.00	1	1,710.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,096.13	1/4	2,864.34	1/4	2,632.55	1/4	2,400.76	1/4	2,168.96	1/4	1,937.17	1/4	1,705.38		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,091.30	1/2	2,859.51	1/2	2,627.72	1/2	2,395.93	1/2	2,164.14	1/2	1,932.34	1/2	1,700.55		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,086.47	3/4	2,854.68	3/4	2,622.89	3/4	2,391.10	3/4	2,159.31	3/4	1,927.51	3/4	1,695.72		
2		2		2		2	3,081.65	2	2,849.85	2	2,618.06	2	2,386.27	2	2,154.48	2	1,922.69	2	1,690.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,076.82	1/4	2,845.02	1/4	2,613.23	1/4	2,381.44	1/4	2,149.65	1/4	1,917.86	1/4	1,686.06		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,071.99	1/2	2,840.20	1/2	2,608.40	1/2	2,376.61	1/2	2,144.82	1/2	1,913.03	1/2	1,681.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,067.16	3/4	2,835.37	3/4	2,603.57	3/4	2,371.78	3/4	2,139.99	3/4	1,908.20	3/4	1,676.41		
3		3		3		3	3,062.33	3	2,830.54	3	2,598.75	3	2,366.95	3	2,135.16	3	1,903.37	3	1,671.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,057.50	1/4	2,825.71	1/4	2,593.92	1/4	2,362.12	1/4	2,130.33	1/4	1,898.54	1/4	1,666.75		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,052.67	1/2	2,820.88	1/2	2,589.09	1/2	2,357.30	1/2	2,125.50	1/2	1,893.71	1/2	1,661.92		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,047.84	3/4	2,816.05	3/4	2,584.26	3/4	2,352.47	3/4	2,120.67	3/4	1,888.88	3/4	1,657.09		
4		4		4		4	3,043.01	4	2,811.22	4	2,579.43	4	2,347.64	4	2,115.85	4	1,884.05	4	1,652.26		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,038.18	1/4	2,806.39	1/4	2,574.60	1/4	2,342.81	1/4	2,111.02	1/4	1,879.22	1/4	1,647.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,033.36	1/2	2,801.56	1/2	2,569.77	1/2	2,337.98	1/2	2,106.19	1/2	1,874.40	1/2	1,642.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,028.53	3/4	2,796.73	3/4	2,564.94	3/4	2,333.15	3/4	2,101.36	3/4	1,869.57	3/4	1,637.77		
5		5		5		5	3,023.70	5	2,791.91	5	2,560.11	5	2,328.32	5	2,096.53	5	1,864.74	5	1,632.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,018.87	1/4	2,787.08	1/4	2,555.28	1/4	2,323.49	1/4	2,091.70	1/4	1,859.91	1/4	1,628.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,014.04	1/2	2,782.25	1/2	2,550.46	1/2	2,318.66	1/2	2,086.87	1/2	1,855.08	1/2	1,623.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,009.21	3/4	2,777.42	3/4	2,545.63	3/4	2,313.83	3/4	2,082.04	3/4	1,850.25	3/4	1,618.46		
6		6		6		6	3,004.38	6	2,772.59	6	2,540.80	6	2,309.01	6	2,077.21	6	1,845.42	6	1,613.63		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,228.94	1/4	2,999.55	1/4	2,767.76	1/4	2,535.97	1/4	2,304.18	1/4	2,072.38	1/4	1,840.59	1/4	1,608.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,224.71	1/2	2,994.72	1/2	2,762.93	1/2	2,531.14	1/2	2,299.35	1/2	2,067.56	1/2	1,835.76	1/2	1,603.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,220.48	3/4	2,989.89	3/4	2,758.10	3/4	2,526.31	3/4	2,294.52	3/4	2,062.73	3/4	1,830.93	3/4	1,599.14
7		7		7		7	3,216.26	7	2,985.07	7	2,753.27	7	2,521.48	7	2,289.69	7	2,057.90	7	1,826.11	7	1,594.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,212.03	1/4	2,980.24	1/4	2,748.44	1/4	2,516.65	1/4	2,284.86	1/4	2,053.07	1/4	1,821.28	1/4	1,589.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,207.20	1/2	2,975.41	1/2	2,743.62	1/2	2,511.82	1/2	2,280.03	1/2	2,048.24	1/2	1,816.45	1/2	1,584.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,202.37	3/4	2,970.58	3/4	2,738.79	3/4	2,506.99	3/4	2,275.20	3/4	2,043.41	3/4	1,811.62	3/4	1,579.83
8		8		8		8	3,197.54	8	2,965.75	8	2,733.96	8	2,502.17	8	2,270.37	8	2,038.58	8	1,806.79	8	1,575.00
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,192.71	1/4	2,960.92	1/4	2,729.13	1/4	2,497.34	1/4	2,265.54	1/4	2,033.75	1/4	1,801.96	1/4	1,570.17
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,187.88	1/2	2,956.09	1/2	2,724.30	1/2	2,492.51	1/2	2,260.72	1/2	2,028.92	1/2	1,797.13	1/2	1,565.34
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,183.05	3/4	2,951.26	3/4	2,719.47	3/4	2,487.68	3/4	2,255.89	3/4	2,024.09	3/4	1,792.30	3/4	1,560.51
9		9		9		9	3,178.23	9	2,946.43	9	2,714.64	9	2,482.85	9	2,251.06	9	2,019.27	9	1,787.47	9	1,555.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,173.40	1/4	2,941.60	1/4	2,709.81	1/4	2,478.02	1/4	2,246.23	1/4	2,014.44	1/4	1,782.64	1/4	1,550.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,168.57	1/2	2,936.78	1/2	2,704.98	1/2	2,473.19	1/2	2,241.40	1/2	2,009.61	1/2	1,777.82	1/2	1,546.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,163.74	3/4	2,931.95	3/4	2,700.15	3/4	2,468.36	3/4	2,236.57	3/4	2,004.78	3/4	1,772.99	3/4	1,541.19
10		10		10		10	3,158.91	10	2,927.12	10	2,695.33	10	2,463.53	10	2,231.74	10	1,999.95	10	1,768.16	10	1,536.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,154.08	1/4	2,922.29	1/4	2,690.50	1/4	2,458.70	1/4	2,226.91	1/4	1,995.12	1/4	1,763.33	1/4	1,531.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,149.25	1/2	2,917.46	1/2	2,685.67	1/2	2,453.88	1/2	2,222.08	1/2	1,990.29	1/2	1,758.50	1/2	1,526.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,144.42	3/4	2,912.63	3/4	2,680.84	3/4	2,449.05	3/4	2,217.25	3/4	1,985.46	3/4	1,753.67	3/4	1,521.88
11		11		11		11	3,139.59	11	2,907.80	11	2,676.01	11	2,444.22	11	2,212.43	11	1,980.63	11	1,748.84	11	1,517.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,134.76	1/4	2,902.97	1/4	2,671.18	1/4	2,439.39	1/4	2,207.60	1/4	1,975.80	1/4	1,744.01	1/4	1,512.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,129.94	1/2	2,898.14	1/2	2,666.35	1/2	2,434.56	1/2	2,202.77	1/2	1,970.98	1/2	1,739.18	1/2	1,507.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,125.11	3/4	2,893.31	3/4	2,661.52	3/4	2,429.73	3/4	2,197.94	3/4	1,966.15	3/4	1,734.35	3/4	1,502.56

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 13'-06" OFF CENTERLINE AND 28'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "AL 2300"

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,497.73	0	1,265.94	0	1,034.16	0	802.36	0	570.57	0	338.78	0	107.00	0		0		0	
1/4	1,492.90	1/4	1,261.11	1/4	1,029.33	1/4	797.53	1/4	565.74	1/4	333.95	1/4	102.18	1/4	1/4	1/4		1/4	
1/2	1,488.08	1/2	1,256.28	1/2	1,024.50	1/2	792.71	1/2	560.91	1/2	329.12	1/2	97.36	1/2	1/2	1/2		1/2	
3/4	1,483.25	3/4	1,251.45	3/4	1,019.67	3/4	787.88	3/4	556.08	3/4	324.29	3/4	92.54	3/4	3/4	3/4		3/4	
1	1,478.42	1	1,246.63	1	1,014.84	1	783.05	1	551.26	1	319.46	1	87.72	1	1	1		1	
1/4	1,473.59	1/4	1,241.80	1/4	1,010.01	1/4	778.22	1/4	546.43	1/4	314.63	1/4	82.91	1/4	1/4	1/4		1/4	
1/2	1,468.76	1/2	1,236.97	1/2	1,005.18	1/2	773.39	1/2	541.60	1/2	309.81	1/2	78.10	1/2	1/2	1/2		1/2	
3/4	1,463.93	3/4	1,232.14	3/4	1,000.35	3/4	768.56	3/4	536.77	3/4	304.98	3/4	73.29	3/4	3/4	3/4		3/4	
2	1,459.10	2	1,227.31	2	995.52	2	763.73	2	531.94	2	300.15	2	68.48	2	2	2		2	
1/4	1,454.27	1/4	1,222.48	1/4	990.69	1/4	758.90	1/4	527.11	1/4	295.32	1/4	63.68	1/4	1/4	1/4		1/4	
1/2	1,449.44	1/2	1,217.65	1/2	985.87	1/2	754.07	1/2	522.28	1/2	290.49	1/2	58.89	1/2	1/2	1/2		1/2	
3/4	1,444.61	3/4	1,212.82	3/4	981.04	3/4	749.24	3/4	517.45	3/4	285.66	3/4	54.10	3/4	3/4	3/4		3/4	
3	1,439.79	3	1,207.99	3	976.21	3	744.42	3	512.62	3	280.83	3	49.31	3	3	3		3	
1/4	1,434.96	1/4	1,203.16	1/4	971.38	1/4	739.59	1/4	507.79	1/4	276.00	1/4	44.52	1/4	1/4	1/4		1/4	
1/2	1,430.13	1/2	1,198.34	1/2	966.55	1/2	734.76	1/2	502.97	1/2	271.17	1/2	39.94	1/2	1/2	1/2		1/2	
3/4	1,425.30	3/4	1,193.51	3/4	961.72	3/4	729.93	3/4	498.14	3/4	266.34	3/4	35.36	3/4	3/4	3/4		3/4	
4	1,420.47	4	1,188.68	4	956.89	4	725.10	4	493.31	4	261.52	4	30.78	4	4	4		4	
1/4	1,415.64	1/4	1,183.85	1/4	952.06	1/4	720.27	1/4	488.48	1/4	256.69	1/4	26.19	1/4	1/4	1/4		1/4	
1/2	1,410.81	1/2	1,179.02	1/2	947.23	1/2	715.44	1/2	483.65	1/2	251.86	1/2	22.57	1/2	1/2	1/2		1/2	
3/4	1,405.98	3/4	1,174.19	3/4	942.40	3/4	710.61	3/4	478.82	3/4	247.03	3/4	18.95	3/4	3/4	3/4		3/4	
5	1,401.15	5	1,169.36	5	937.58	5	705.78	5	473.99	5	242.20	5	15.33	5	5	5		5	
1/4	1,396.32	1/4	1,164.53	1/4	932.75	1/4	700.95	1/4	469.16	1/4	237.37	1/4	11.71	1/4	1/4	1/4		1/4	
1/2	1,391.50	1/2	1,159.70	1/2	927.92	1/2	696.13	1/2	464.33	1/2	232.54	1/2		1/2	1/2	1/2		1/2	
3/4	1,386.67	3/4	1,154.87	3/4	923.09	3/4	691.30	3/4	459.50	3/4	227.71	3/4		3/4	3/4	3/4		3/4	
6	1,381.84	6	1,150.05	6	918.26	6	686.47	6	454.68	6	222.88	6		6	6	6		6	
1/4	1,377.01	1/4	1,145.22	1/4	913.43	1/4	681.64	1/4	449.85	1/4	218.05	1/4		1/4	1/4	1/4		1/4	
1/2	1,372.18	1/2	1,140.39	1/2	908.60	1/2	676.81	1/2	445.02	1/2	213.23	1/2		1/2	1/2	1/2		1/2	
3/4	1,367.35	3/4	1,135.56	3/4	903.77	3/4	671.98	3/4	440.19	3/4	208.40	3/4		3/4	3/4	3/4		3/4	
7	1,362.52	7	1,130.73	7	898.94	7	667.15	7	435.36	7	203.57	7		7	7	7		7	
1/4	1,357.69	1/4	1,125.90	1/4	894.11	1/4	662.32	1/4	430.53	1/4	198.74	1/4		1/4	1/4	1/4		1/4	
1/2	1,352.86	1/2	1,121.07	1/2	889.29	1/2	657.49	1/2	425.70	1/2	193.91	1/2		1/2	1/2	1/2		1/2	
3/4	1,348.03	3/4	1,116.24	3/4	884.46	3/4	652.66	3/4	420.87	3/4	189.08	3/4		3/4	3/4	3/4		3/4	
8	1,343.21	8	1,111.41	8	879.63	8	647.84	8	416.04	8	184.25	8		8	8	8		8	
1/4	1,338.38	1/4	1,106.58	1/4	874.80	1/4	643.01	1/4	411.21	1/4	179.42	1/4		1/4	1/4	1/4		1/4	
1/2	1,333.55	1/2	1,101.76	1/2	869.97	1/2	638.18	1/2	406.39	1/2	174.60	1/2		1/2	1/2	1/2		1/2	
3/4	1,328.72	3/4	1,096.93	3/4	865.14	3/4	633.35	3/4	401.56	3/4	169.77	3/4		3/4	3/4	3/4		3/4	
9	1,323.89	9	1,092.10	9	860.31	9	628.52	9	396.73	9	164.94	9		9	9	9		9	
1/4	1,319.06	1/4	1,087.27	1/4	855.48	1/4	623.69	1/4	391.90	1/4	160.11	1/4		1/4	1/4	1/4		1/4	
1/2	1,314.23	1/2	1,082.44	1/2	850.65	1/2	618.86	1/2	387.07	1/2	155.28	1/2		1/2	1/2	1/2		1/2	
3/4	1,309.40	3/4	1,077.61	3/4	845.82	3/4	614.03	3/4	382.24	3/4	150.45	3/4		3/4	3/4	3/4		3/4	
10	1,304.57	10	1,072.78	10	841.00	10	609.20	10	377.41	10	145.62	10		10	10	10		10	
1/4	1,299.74	1/4	1,067.95	1/4	836.17	1/4	604.37	1/4	372.58	1/4	140.79	1/4		1/4	1/4	1/4		1/4	
1/2	1,294.92	1/2	1,063.13	1/2	831.34	1/2	599.55	1/2	367.75	1/2	135.96	1/2		1/2	1/2	1/2		1/2	
3/4	1,290.09	3/4	1,058.30	3/4	826.51	3/4	594.72	3/4	362.92	3/4	131.14	3/4		3/4	3/4	3/4		3/4	
11	1,285.26	11	1,053.47	11	821.68	11	589.89	11	358.10	11	126.31	11		11	11	11		11	
1/4	1,280.43	1/4	1,048.64	1/4	816.85	1/4	585.06	1/4	353.27	1/4	121.48	1/4		1/4	1/4	1/4		1/4	
1/2	1,275.60	1/2	1,043.81	1/2	812.02	1/2	580.23	1/2	348.44	1/2	116.65	1/2		1/2	1/2	1/2		1/2	
3/4	1,270.77	3/4	1,038.98	3/4	807.19	3/4	575.40	3/4	343.61	3/4	111.83	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2018 SW
CALCULATED: 04/13/2018 CL
VERIFIED: 07/12/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

PRECISION MEASUREMENT
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BARGE "AL 2300"

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	3,110.73	1/4	2,879.29	1/4	2,647.85	1/4	2,416.40	1/4	2,184.96	1/4	1,953.52	1/4	1,722.08
1/2		1/2		1/2		1/2	3,105.91	1/2	2,874.47	1/2	2,643.02	1/2	2,411.58	1/2	2,180.14	1/2	1,948.70	1/2	1,717.26
3/4		3/4		3/4		3/4	3,101.09	3/4	2,869.64	3/4	2,638.20	3/4	2,406.76	3/4	2,175.32	3/4	1,943.88	3/4	1,712.44
1	1	1		1		1	3,096.26	1	2,864.82	1	2,633.38	1	2,401.94	1	2,170.50	1	1,939.06	1	1,707.61
1/4		1/4		1/4		1/4	3,091.44	1/4	2,860.00	1/4	2,628.56	1/4	2,397.12	1/4	2,165.68	1/4	1,934.23	1/4	1,702.79
1/2		1/2		1/2		1/2	3,086.62	1/2	2,855.18	1/2	2,623.74	1/2	2,392.30	1/2	2,160.85	1/2	1,929.41	1/2	1,697.97
3/4		3/4		3/4		3/4	3,081.80	3/4	2,850.36	3/4	2,618.92	3/4	2,387.47	3/4	2,156.03	3/4	1,924.59	3/4	1,693.15
2	2	2		2		2	3,076.98	2	2,845.54	2	2,614.09	2	2,382.65	2	2,151.21	2	1,919.77	2	1,688.33
1/4		1/4		1/4		1/4	3,072.16	1/4	2,840.71	1/4	2,609.27	1/4	2,377.83	1/4	2,146.39	1/4	1,914.95	1/4	1,683.51
1/2		1/2		1/2		1/2	3,067.33	1/2	2,835.89	1/2	2,604.45	1/2	2,373.01	1/2	2,141.57	1/2	1,910.13	1/2	1,678.68
3/4		3/4		3/4		3/4	3,062.51	3/4	2,831.07	3/4	2,599.63	3/4	2,368.19	3/4	2,136.75	3/4	1,905.30	3/4	1,673.86
3	3	3		3		3	3,057.69	3	2,826.25	3	2,594.81	3	2,363.37	3	2,131.92	3	1,900.48	3	1,669.04
1/4		1/4		1/4		1/4	3,052.87	1/4	2,821.43	1/4	2,589.99	1/4	2,358.54	1/4	2,127.10	1/4	1,895.66	1/4	1,664.22
1/2		1/2		1/2		1/2	3,048.05	1/2	2,816.61	1/2	2,585.16	1/2	2,353.72	1/2	2,122.28	1/2	1,890.84	1/2	1,659.40
3/4		3/4		3/4		3/4	3,043.23	3/4	2,811.78	3/4	2,580.34	3/4	2,348.90	3/4	2,117.46	3/4	1,886.02	3/4	1,654.58
4	4	4		4		4	3,038.40	4	2,806.96	4	2,575.52	4	2,344.08	4	2,112.64	4	1,881.20	4	1,649.75
1/4		1/4		1/4		1/4	3,033.58	1/4	2,802.14	1/4	2,570.70	1/4	2,339.26	1/4	2,107.82	1/4	1,876.37	1/4	1,644.93
1/2		1/2		1/2		1/2	3,028.76	1/2	2,797.32	1/2	2,565.88	1/2	2,334.44	1/2	2,102.99	1/2	1,871.55	1/2	1,640.11
3/4		3/4		3/4		3/4	3,023.94	3/4	2,792.50	3/4	2,561.06	3/4	2,329.61	3/4	2,098.17	3/4	1,866.73	3/4	1,635.29
5	5	5		5		5	3,019.12	5	2,787.67	5	2,556.23	5	2,324.79	5	2,093.35	5	1,861.91	5	1,630.47
1/4		1/4		1/4		1/4	3,014.29	1/4	2,782.85	1/4	2,551.41	1/4	2,319.97	1/4	2,088.53	1/4	1,857.09	1/4	1,625.65
1/2		1/2		1/2		1/2	3,009.47	1/2	2,778.03	1/2	2,546.59	1/2	2,315.15	1/2	2,083.71	1/2	1,852.27	1/2	1,620.82
3/4		3/4		3/4		3/4	3,004.65	3/4	2,773.21	3/4	2,541.77	3/4	2,310.33	3/4	2,078.89	3/4	1,847.44	3/4	1,616.00
6	6	6		6		6	2,999.83	6	2,768.39	6	2,536.95	6	2,305.50	6	2,074.06	6	1,842.62	6	1,611.18
1/4		1/4		1/4	3,224.03	1/4	2,995.01	1/4	2,763.57	1/4	2,532.12	1/4	2,300.68	1/4	2,069.24	1/4	1,837.80	1/4	1,606.36
1/2		1/2		1/2	3,219.81	1/2	2,990.19	1/2	2,758.74	1/2	2,527.30	1/2	2,295.86	1/2	2,064.42	1/2	1,832.98	1/2	1,601.54
3/4		3/4		3/4	3,215.60	3/4	2,985.36	3/4	2,753.92	3/4	2,522.48	3/4	2,291.04	3/4	2,059.60	3/4	1,828.16	3/4	1,596.72
7	7	7		7	3,211.38	7	2,980.54	7	2,749.10	7	2,517.66	7	2,286.22	7	2,054.78	7	1,823.33	7	1,591.89
1/4		1/4		1/4	3,207.16	1/4	2,975.72	1/4	2,744.28	1/4	2,512.84	1/4	2,281.40	1/4	2,049.95	1/4	1,818.51	1/4	1,587.07
1/2		1/2		1/2	3,202.34	1/2	2,970.90	1/2	2,739.46	1/2	2,508.02	1/2	2,276.57	1/2	2,045.13	1/2	1,813.69	1/2	1,582.25
3/4		3/4		3/4	3,197.52	3/4	2,966.08	3/4	2,734.64	3/4	2,503.19	3/4	2,271.75	3/4	2,040.31	3/4	1,808.87	3/4	1,577.43
8	8	8		8	3,192.70	8	2,961.26	8	2,729.81	8	2,498.37	8	2,266.93	8	2,035.49	8	1,804.05	8	1,572.61
1/4		1/4		1/4	3,187.88	1/4	2,956.43	1/4	2,724.99	1/4	2,493.55	1/4	2,262.11	1/4	2,030.67	1/4	1,799.23	1/4	1,567.78
1/2		1/2		1/2	3,183.05	1/2	2,951.61	1/2	2,720.17	1/2	2,488.73	1/2	2,257.29	1/2	2,025.85	1/2	1,794.40	1/2	1,562.96
3/4		3/4		3/4	3,178.23	3/4	2,946.79	3/4	2,715.35	3/4	2,483.91	3/4	2,252.47	3/4	2,021.02	3/4	1,789.58	3/4	1,558.14
9	9	9		9	3,173.41	9	2,941.97	9	2,710.53	9	2,479.09	9	2,247.64	9	2,016.20	9	1,784.76	9	1,553.32
1/4		1/4		1/4	3,168.59	1/4	2,937.15	1/4	2,705.71	1/4	2,474.26	1/4	2,242.82	1/4	2,011.38	1/4	1,779.94	1/4	1,548.50
1/2		1/2		1/2	3,163.77	1/2	2,932.33	1/2	2,700.88	1/2	2,469.44	1/2	2,238.00	1/2	2,006.56	1/2	1,775.12	1/2	1,543.68
3/4		3/4		3/4	3,158.95	3/4	2,927.50	3/4	2,696.06	3/4	2,464.62	3/4	2,233.18	3/4	2,001.74	3/4	1,770.30	3/4	1,538.85
10	10	10		10	3,154.12	10	2,922.68	10	2,691.24	10	2,459.80	10	2,228.36	10	1,996.92	10	1,765.47	10	1,534.03
1/4		1/4		1/4	3,149.30	1/4	2,917.86	1/4	2,686.42	1/4	2,454.98	1/4	2,223.54	1/4	1,992.09	1/4	1,760.65	1/4	1,529.21
1/2		1/2		1/2	3,144.48	1/2	2,913.04	1/2	2,681.60	1/2	2,450.16	1/2	2,218.71	1/2	1,987.27	1/2	1,755.83	1/2	1,524.39
3/4		3/4		3/4	3,139.66	3/4	2,908.22	3/4	2,676.78	3/4	2,445.33	3/4	2,213.89	3/4	1,982.45	3/4	1,751.01	3/4	1,519.57
11	11	11		11	3,134.84	11	2,903.40	11	2,671.95	11	2,440.51	11	2,209.07	11	1,977.63	11	1,746.19	11	1,514.75
1/4		1/4		1/4	3,130.02	1/4	2,898.57	1/4	2,667.13	1/4	2,435.69	1/4	2,204.25	1/4	1,972.81	1/4	1,741.37	1/4	1,509.92
1/2		1/2		1/2	3,125.19	1/2	2,893.75	1/2	2,662.31	1/2	2,430.87	1/2	2,199.43	1/2	1,967.99	1/2	1,736.54	1/2	1,505.10
3/4		3/4		3/4	3,120.37	3/4	2,888.93	3/4	2,657.49	3/4	2,426.05	3/4	2,194.61	3/4	1,963.16	3/4	1,731.72	3/4	1,500.28

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 13'-06" OFF CENTERLINE AND 28'-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 "AL 2300"

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,490.64	1/4	1,259.20	1/4	1,027.76	1/4	796.33	1/4	564.89	1/4	333.44	1/4	102.02	1/4		1/4		1/4	
1/2	1,485.82	1/2	1,254.37	1/2	1,022.94	1/2	791.51	1/2	560.06	1/2	328.62	1/2	97.21	1/2		1/2		1/2	
3/4	1,480.99	3/4	1,249.55	3/4	1,018.12	3/4	786.68	3/4	555.24	3/4	323.80	3/4	92.40	3/4		3/4		3/4	
1	1,476.17	1	1,244.73	1	1,013.30	1	781.86	1	550.42	1	318.98	1	87.59	1		1		1	
1/4	1,471.35	1/4	1,239.91	1/4	1,008.48	1/4	777.04	1/4	545.60	1/4	314.16	1/4	82.78	1/4		1/4		1/4	
1/2	1,466.53	1/2	1,235.09	1/2	1,003.66	1/2	772.22	1/2	540.78	1/2	309.34	1/2	77.98	1/2		1/2		1/2	
3/4	1,461.71	3/4	1,230.27	3/4	998.84	3/4	767.40	3/4	535.96	3/4	304.51	3/4	73.18	3/4		3/4		3/4	
2	1,456.89	2	1,225.44	2	994.02	2	762.58	2	531.13	2	299.69	2	68.38	2		2		2	
1/4	1,452.06	1/4	1,220.62	1/4	989.20	1/4	757.75	1/4	526.31	1/4	294.87	1/4	63.58	1/4		1/4		1/4	
1/2	1,447.24	1/2	1,215.80	1/2	984.37	1/2	752.93	1/2	521.49	1/2	290.05	1/2	58.80	1/2		1/2		1/2	
3/4	1,442.42	3/4	1,210.98	3/4	979.55	3/4	748.11	3/4	516.67	3/4	285.23	3/4	54.02	3/4		3/4		3/4	
3	1,437.60	3	1,206.16	3	974.73	3	743.29	3	511.85	3	280.41	3	49.24	3		3		3	
1/4	1,432.78	1/4	1,201.34	1/4	969.91	1/4	738.47	1/4	507.03	1/4	275.58	1/4	44.46	1/4		1/4		1/4	
1/2	1,427.96	1/2	1,196.51	1/2	965.09	1/2	733.65	1/2	502.20	1/2	270.76	1/2	39.88	1/2		1/2		1/2	
3/4	1,423.13	3/4	1,191.69	3/4	960.27	3/4	728.82	3/4	497.38	3/4	265.94	3/4	35.31	3/4		3/4		3/4	
4	1,418.31	4	1,186.87	4	955.44	4	724.00	4	492.56	4	261.12	4	30.73	4		4		4	
1/4	1,413.49	1/4	1,182.05	1/4	950.62	1/4	719.18	1/4	487.74	1/4	256.30	1/4	26.16	1/4		1/4		1/4	
1/2	1,408.67	1/2	1,177.23	1/2	945.80	1/2	714.36	1/2	482.92	1/2	251.48	1/2	22.54	1/2		1/2		1/2	
3/4	1,403.85	3/4	1,172.41	3/4	940.98	3/4	709.54	3/4	478.10	3/4	246.65	3/4	18.93	3/4		3/4		3/4	
5	1,399.03	5	1,167.58	5	936.16	5	704.71	5	473.27	5	241.83	5	15.31	5		5		5	
1/4	1,394.20	1/4	1,162.76	1/4	931.33	1/4	699.89	1/4	468.45	1/4	237.01	1/4	11.70	1/4		1/4		1/4	
1/2	1,389.38	1/2	1,157.94	1/2	926.51	1/2	695.07	1/2	463.63	1/2	232.19	1/2		1/2		1/2		1/2	
3/4	1,384.56	3/4	1,153.12	3/4	921.69	3/4	690.25	3/4	458.81	3/4	227.37	3/4		3/4		3/4		3/4	
6	1,379.74	6	1,148.30	6	916.87	6	685.43	6	453.99	6	222.55	6		6		6		6	
1/4	1,374.92	1/4	1,143.48	1/4	912.05	1/4	680.61	1/4	449.16	1/4	217.72	1/4		1/4		1/4		1/4	
1/2	1,370.10	1/2	1,138.65	1/2	907.23	1/2	675.78	1/2	444.34	1/2	212.90	1/2		1/2		1/2		1/2	
3/4	1,365.27	3/4	1,133.83	3/4	902.40	3/4	670.96	3/4	439.52	3/4	208.08	3/4		3/4		3/4		3/4	
7	1,360.45	7	1,129.01	7	897.58	7	666.14	7	434.70	7	203.26	7		7		7		7	
1/4	1,355.63	1/4	1,124.19	1/4	892.76	1/4	661.32	1/4	429.88	1/4	198.44	1/4		1/4		1/4		1/4	
1/2	1,350.81	1/2	1,119.37	1/2	887.94	1/2	656.50	1/2	425.06	1/2	193.62	1/2		1/2		1/2		1/2	
3/4	1,345.99	3/4	1,114.55	3/4	883.12	3/4	651.68	3/4	420.23	3/4	188.80	3/4		3/4		3/4		3/4	
8	1,341.16	8	1,109.72	8	878.30	8	646.85	8	415.41	8	183.97	8		8		8		8	
1/4	1,336.34	1/4	1,104.90	1/4	873.47	1/4	642.03	1/4	410.59	1/4	179.15	1/4		1/4		1/4		1/4	
1/2	1,331.52	1/2	1,100.08	1/2	868.65	1/2	637.21	1/2	405.77	1/2	174.33	1/2		1/2		1/2		1/2	
3/4	1,326.70	3/4	1,095.26	3/4	863.83	3/4	632.39	3/4	400.95	3/4	169.51	3/4		3/4		3/4		3/4	
9	1,321.88	9	1,090.44	9	859.01	9	627.57	9	396.13	9	164.69	9		9		9		9	
1/4	1,317.06	1/4	1,085.61	1/4	854.19	1/4	622.75	1/4	391.30	1/4	159.87	1/4		1/4		1/4		1/4	
1/2	1,312.23	1/2	1,080.79	1/2	849.37	1/2	617.92	1/2	386.48	1/2	155.05	1/2		1/2		1/2		1/2	
3/4	1,307.41	3/4	1,075.97	3/4	844.54	3/4	613.10	3/4	381.66	3/4	150.22	3/4		3/4		3/4		3/4	
10	1,302.59	10	1,071.15	10	839.72	10	608.28	10	376.84	10	145.40	10		10		10		10	
1/4	1,297.77	1/4	1,066.33	1/4	834.90	1/4	603.46	1/4	372.02	1/4	140.58	1/4		1/4		1/4		1/4	
1/2	1,292.95	1/2	1,061.51	1/2	830.08	1/2	598.64	1/2	367.20	1/2	135.76	1/2		1/2		1/2		1/2	
3/4	1,288.13	3/4	1,056.69	3/4	825.26	3/4	593.82	3/4	362.37	3/4	130.94	3/4		3/4		3/4		3/4	
11	1,283.30	11	1,051.87	11	820.44	11	588.99	11	357.55	11	126.12	11		11		11		11	
1/4	1,278.48	1/4	1,047.05	1/4	815.61	1/4	584.17	1/4	352.73	1/4	121.29	1/4		1/4		1/4		1/4	
1/2	1,273.66	1/2	1,042.22	1/2	810.79	1/2	579.35	1/2	347.91	1/2	116.48	1/2		1/2		1/2		1/2	
3/4	1,268.84	3/4	1,037.40	3/4	805.97	3/4	574.53	3/4	343.09	3/4	111.66	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/12/2018 SW
CALCULATED: 04/13/2018 CL
VERIFIED: 07/12/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2023

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