



# BARGE "AL 2301"

## 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	00-0/8	- 00-0/8	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"

November 20, 2023

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

<http://www.pmacorp.net>



# BARGE "AL 2301"

## 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							3,116.86		2,886.39		2,655.93		2,425.46		2,194.99		1,964.52		1,734.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,112.06	1/4	2,881.59	1/4	2,651.13	1/4	2,420.66	1/4	2,190.19	1/4	1,959.72	1/4	1,729.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,107.26	1/2	2,876.79	1/2	2,646.32	1/2	2,415.86	1/2	2,185.39	1/2	1,954.92	1/2	1,724.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,102.46	3/4	2,871.99	3/4	2,641.52	3/4	2,411.06	3/4	2,180.59	3/4	1,950.12	3/4	1,719.65
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3,097.66</b>	<b>1</b>	<b>2,867.19</b>	<b>1</b>	<b>2,636.72</b>	<b>1</b>	<b>2,406.25</b>	<b>1</b>	<b>2,175.79</b>	<b>1</b>	<b>1,945.32</b>	<b>1</b>	<b>1,714.85</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,092.85	1/4	2,862.39	1/4	2,631.92	1/4	2,401.45	1/4	2,170.99	1/4	1,940.52	1/4	1,710.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,088.05	1/2	2,857.59	1/2	2,627.12	1/2	2,396.65	1/2	2,166.18	1/2	1,935.72	1/2	1,705.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,083.25	3/4	2,852.78	3/4	2,622.32	3/4	2,391.85	3/4	2,161.38	3/4	1,930.92	3/4	1,700.45
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3,078.45</b>	<b>2</b>	<b>2,847.98</b>	<b>2</b>	<b>2,617.52</b>	<b>2</b>	<b>2,387.05</b>	<b>2</b>	<b>2,156.58</b>	<b>2</b>	<b>1,926.11</b>	<b>2</b>	<b>1,695.65</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,073.65	1/4	2,843.18	1/4	2,612.71	1/4	2,382.25	1/4	2,151.78	1/4	1,921.31	1/4	1,690.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,068.85	1/2	2,838.38	1/2	2,607.91	1/2	2,377.45	1/2	2,146.98	1/2	1,916.51	1/2	1,686.04
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,064.05	3/4	2,833.58	3/4	2,603.11	3/4	2,372.64	3/4	2,142.18	3/4	1,911.71	3/4	1,681.24
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3,059.24</b>	<b>3</b>	<b>2,828.78</b>	<b>3</b>	<b>2,598.31</b>	<b>3</b>	<b>2,367.84</b>	<b>3</b>	<b>2,137.38</b>	<b>3</b>	<b>1,906.91</b>	<b>3</b>	<b>1,676.44</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,054.44	1/4	2,823.98	1/4	2,593.51	1/4	2,363.04	1/4	2,132.57	1/4	1,902.11	1/4	1,671.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,049.64	1/2	2,819.17	1/2	2,588.71	1/2	2,358.24	1/2	2,127.77	1/2	1,897.31	1/2	1,666.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,044.84	3/4	2,814.37	3/4	2,583.91	3/4	2,353.44	3/4	2,122.97	3/4	1,892.50	3/4	1,662.04
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>3,040.04</b>	<b>4</b>	<b>2,809.57</b>	<b>4</b>	<b>2,579.10</b>	<b>4</b>	<b>2,348.64</b>	<b>4</b>	<b>2,118.17</b>	<b>4</b>	<b>1,887.70</b>	<b>4</b>	<b>1,657.24</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,035.24	1/4	2,804.77	1/4	2,574.30	1/4	2,343.84	1/4	2,113.37	1/4	1,882.90	1/4	1,652.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,030.44	1/2	2,799.97	1/2	2,569.50	1/2	2,339.03	1/2	2,108.57	1/2	1,878.10	1/2	1,647.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,025.63	3/4	2,795.17	3/4	2,564.70	3/4	2,334.23	3/4	2,103.77	3/4	1,873.30	3/4	1,642.83
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>3,020.83</b>	<b>5</b>	<b>2,790.37</b>	<b>5</b>	<b>2,559.90</b>	<b>5</b>	<b>2,329.43</b>	<b>5</b>	<b>2,098.96</b>	<b>5</b>	<b>1,868.50</b>	<b>5</b>	<b>1,638.03</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,016.03	1/4	2,785.56	1/4	2,555.10	1/4	2,324.63	1/4	2,094.16	1/4	1,863.70	1/4	1,633.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,011.23	1/2	2,780.76	1/2	2,550.30	1/2	2,319.83	1/2	2,089.36	1/2	1,858.89	1/2	1,628.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,006.43	3/4	2,775.96	3/4	2,545.49	3/4	2,315.03	3/4	2,084.56	3/4	1,854.09	3/4	1,623.63
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>3,001.63</b>	<b>6</b>	<b>2,771.16</b>	<b>6</b>	<b>2,540.69</b>	<b>6</b>	<b>2,310.23</b>	<b>6</b>	<b>2,079.76</b>	<b>6</b>	<b>1,849.29</b>	<b>6</b>	<b>1,618.82</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,996.83	1/4	2,766.36	1/4	2,535.89	1/4	2,305.42	1/4	2,074.96	1/4	1,844.49	1/4	1,614.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,992.02	1/2	2,761.56	1/2	2,531.09	1/2	2,300.62	1/2	2,070.16	1/2	1,839.69	1/2	1,609.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,987.22	3/4	2,756.76	3/4	2,526.29	3/4	2,295.82	3/4	2,065.35	3/4	1,834.89	3/4	1,604.42
<b>7</b>	<b>7</b>	<b>7</b>	<b>3,210.51</b>	<b>7</b>	<b>2,982.42</b>	<b>7</b>	<b>2,751.95</b>	<b>7</b>	<b>2,521.49</b>	<b>7</b>	<b>2,291.02</b>	<b>7</b>	<b>2,060.55</b>	<b>7</b>	<b>1,830.09</b>	<b>7</b>	<b>1,599.62</b>		
1/4	1/4	1/4	3,206.30	1/4	2,977.62	1/4	2,747.15	1/4	2,516.69	1/4	2,286.22	1/4	2,055.75	1/4	1,825.28	1/4	1,594.82		
1/2	1/2	1/2	3,202.10	1/2	2,972.82	1/2	2,742.35	1/2	2,511.88	1/2	2,281.42	1/2	2,050.95	1/2	1,820.48	1/2	1,590.02		
3/4	3/4	3/4	3,197.89	3/4	2,968.02	3/4	2,737.55	3/4	2,507.08	3/4	2,276.62	3/4	2,046.15	3/4	1,815.68	3/4	1,585.21		
<b>8</b>	<b>8</b>	<b>8</b>	<b>3,193.68</b>	<b>8</b>	<b>2,963.22</b>	<b>8</b>	<b>2,732.75</b>	<b>8</b>	<b>2,502.28</b>	<b>8</b>	<b>2,271.81</b>	<b>8</b>	<b>2,041.35</b>	<b>8</b>	<b>1,810.88</b>	<b>8</b>	<b>1,580.41</b>		
1/4	1/4	1/4	3,188.88	1/4	2,958.41	1/4	2,727.95	1/4	2,497.48	1/4	2,267.01	1/4	2,036.55	1/4	1,806.08	1/4	1,575.61		
1/2	1/2	1/2	3,184.08	1/2	2,953.61	1/2	2,723.15	1/2	2,492.68	1/2	2,262.21	1/2	2,031.74	1/2	1,801.28	1/2	1,570.81		
3/4	3/4	3/4	3,179.28	3/4	2,948.81	3/4	2,718.34	3/4	2,487.88	3/4	2,257.41	3/4	2,026.94	3/4	1,796.48	3/4	1,566.01		
<b>9</b>	<b>9</b>	<b>9</b>	<b>3,174.48</b>	<b>9</b>	<b>2,944.01</b>	<b>9</b>	<b>2,713.54</b>	<b>9</b>	<b>2,483.08</b>	<b>9</b>	<b>2,252.61</b>	<b>9</b>	<b>2,022.14</b>	<b>9</b>	<b>1,791.67</b>	<b>9</b>	<b>1,561.21</b>		
1/4	1/4	1/4	3,169.68	1/4	2,939.21	1/4	2,708.74	1/4	2,478.27	1/4	2,247.81	1/4	2,017.34	1/4	1,786.87	1/4	1,556.41		
1/2	1/2	1/2	3,164.87	1/2	2,934.41	1/2	2,703.94	1/2	2,473.47	1/2	2,243.01	1/2	2,012.54	1/2	1,782.07	1/2	1,551.60		
3/4	3/4	3/4	3,160.07	3/4	2,929.61	3/4	2,699.14	3/4	2,468.67	3/4	2,238.20	3/4	2,007.74	3/4	1,777.27	3/4	1,546.80		
<b>10</b>	<b>10</b>	<b>10</b>	<b>3,155.27</b>	<b>10</b>	<b>2,924.80</b>	<b>10</b>	<b>2,694.34</b>	<b>10</b>	<b>2,463.87</b>	<b>10</b>	<b>2,233.40</b>	<b>10</b>	<b>2,002.94</b>	<b>10</b>	<b>1,772.47</b>	<b>10</b>	<b>1,542.00</b>		
1/4	1/4	1/4	3,150.47	1/4	2,920.00	1/4	2,689.54	1/4	2,459.07	1/4	2,228.60	1/4	1,998.13	1/4	1,767.67	1/4	1,537.20		
1/2	1/2	1/2	3,145.67	1/2	2,915.20	1/2	2,684.73	1/2	2,454.27	1/2	2,223.80	1/2	1,993.33	1/2	1,762.87	1/2	1,532.40		
3/4	3/4	3/4	3,140.87	3/4	2,910.40	3/4	2,679.93	3/4	2,449.47	3/4	2,219.00	3/4	1,988.53	3/4	1,758.06	3/4	1,527.60		
<b>11</b>	<b>11</b>	<b>11</b>	<b>3,136.07</b>	<b>11</b>	<b>2,905.60</b>	<b>11</b>	<b>2,675.13</b>	<b>11</b>	<b>2,444.66</b>	<b>11</b>	<b>2,214.20</b>	<b>11</b>	<b>1,983.73</b>	<b>11</b>	<b>1,753.26</b>	<b>11</b>	<b>1,522.80</b>		
1/4	1/4	1/4	3,131.27	1/4	2,900.80	1/4	2,670.33	1/4	2,439.86	1/4	2,209.40	1/4	1,978.93	1/4	1,748.46	1/4	1,517.99		
1/2	1/2	1/2	3,126.46	1/2	2,896.00	1/2	2,665.53	1/2	2,435.06	1/2	2,204.59	1/2	1,974.13	1/2	1,743.66	1/2	1,513.19		
3/4	3/4	3/4	3,121.66	3/4	2,891.20	3/4	2,660.73	3/4	2,430.26	3/4	2,199.79	3/4	1,969.33	3/4	1,738.86	3/4	1,508.39		

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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# BARGE "AL 2301"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,503.59	0	1,273.12	0	1,042.66	0	812.19	0	581.72	0	351.26	0	120.79	0		0		0	
1/4	1,498.79	1/4	1,268.32	1/4	1,037.86	1/4	807.39	1/4	576.92	1/4	346.45	1/4	115.99	1/4	1/4		1/4		1/4
1/2	1,493.99	1/2	1,263.52	1/2	1,033.06	1/2	802.59	1/2	572.12	1/2	341.65	1/2	111.20	1/2	1/2		1/2		1/2
3/4	1,489.19	3/4	1,258.72	3/4	1,028.26	3/4	797.79	3/4	567.32	3/4	336.85	3/4	106.40	3/4	3/4		3/4		3/4
1	1,484.38	1	1,253.92	1	1,023.46	1	792.98	1	562.52	1	332.05	1	101.60	1	1		1		1
1/4	1,479.58	1/4	1,249.12	1/4	1,018.65	1/4	788.18	1/4	557.72	1/4	327.25	1/4	96.81	1/4	1/4		1/4		1/4
1/2	1,474.78	1/2	1,244.31	1/2	1,013.85	1/2	783.38	1/2	552.91	1/2	322.45	1/2	92.02	1/2	1/2		1/2		1/2
3/4	1,469.98	3/4	1,239.51	3/4	1,009.05	3/4	778.58	3/4	548.11	3/4	317.65	3/4	87.23	3/4	3/4		3/4		3/4
2	1,465.18	2	1,234.71	2	1,004.25	2	773.78	2	543.31	2	312.84	2	82.44	2	2		2		2
1/4	1,460.38	1/4	1,229.91	1/4	999.44	1/4	768.98	1/4	538.51	1/4	308.04	1/4	77.66	1/4	1/4		1/4		1/4
1/2	1,455.58	1/2	1,225.11	1/2	994.64	1/2	764.18	1/2	533.71	1/2	303.24	1/2	72.88	1/2	1/2		1/2		1/2
3/4	1,450.78	3/4	1,220.31	3/4	989.84	3/4	759.37	3/4	528.91	3/4	298.44	3/4	68.10	3/4	3/4		3/4		3/4
3	1,445.97	3	1,215.51	3	985.04	3	754.57	3	524.11	3	293.64	3	63.32	3	3		3		3
1/4	1,441.17	1/4	1,210.71	1/4	980.24	1/4	749.77	1/4	519.30	1/4	288.84	1/4	58.56	1/4	1/4		1/4		1/4
1/2	1,436.37	1/2	1,205.90	1/2	975.44	1/2	744.97	1/2	514.50	1/2	284.04	1/2	53.80	1/2	1/2		1/2		1/2
3/4	1,431.57	3/4	1,201.10	3/4	970.64	3/4	740.17	3/4	509.70	3/4	279.23	3/4	49.04	3/4	3/4		3/4		3/4
4	1,426.77	4	1,196.30	4	965.83	4	735.37	4	504.90	4	274.43	4	44.27	4	4		4		4
1/4	1,421.97	1/4	1,191.50	1/4	961.03	1/4	730.57	1/4	500.10	1/4	269.63	1/4	39.72	1/4	1/4		1/4		1/4
1/2	1,417.17	1/2	1,186.70	1/2	956.23	1/2	725.76	1/2	495.30	1/2	264.83	1/2	35.16	1/2	1/2		1/2		1/2
3/4	1,412.36	3/4	1,181.90	3/4	951.43	3/4	720.96	3/4	490.50	3/4	260.03	3/4	30.61	3/4	3/4		3/4		3/4
5	1,407.56	5	1,177.10	5	946.63	5	716.16	5	485.69	5	255.23	5	26.05	5	5		5		5
1/4	1,402.76	1/4	1,172.29	1/4	941.83	1/4	711.36	1/4	480.89	1/4	250.43	1/4	22.45	1/4	1/4		1/4		1/4
1/2	1,397.96	1/2	1,167.49	1/2	937.03	1/2	706.56	1/2	476.09	1/2	245.62	1/2	18.85	1/2	1/2		1/2		1/2
3/4	1,393.16	3/4	1,162.69	3/4	932.22	3/4	701.76	3/4	471.29	3/4	240.82	3/4	15.25	3/4	3/4		3/4		3/4
6	1,388.36	6	1,157.89	6	927.42	6	696.96	6	466.49	6	236.02	6	11.65	6	6		6		6
1/4	1,383.56	1/4	1,153.09	1/4	922.62	1/4	692.15	1/4	461.69	1/4	231.22	1/4		1/4	1/4		1/4		1/4
1/2	1,378.75	1/2	1,148.29	1/2	917.82	1/2	687.35	1/2	456.89	1/2	226.42	1/2		1/2	1/2		1/2		1/2
3/4	1,373.95	3/4	1,143.49	3/4	913.02	3/4	682.55	3/4	452.08	3/4	221.62	3/4		3/4	3/4		3/4		3/4
7	1,369.15	7	1,138.68	7	908.22	7	677.75	7	447.28	7	216.82	7		7	7		7		7
1/4	1,364.35	1/4	1,133.88	1/4	903.42	1/4	672.95	1/4	442.48	1/4	212.01	1/4		1/4	1/4		1/4		1/4
1/2	1,359.55	1/2	1,129.08	1/2	898.61	1/2	668.15	1/2	437.68	1/2	207.21	1/2		1/2	1/2		1/2		1/2
3/4	1,354.75	3/4	1,124.28	3/4	893.81	3/4	663.35	3/4	432.88	3/4	202.41	3/4		3/4	3/4		3/4		3/4
8	1,349.95	8	1,119.48	8	889.01	8	658.54	8	428.08	8	197.61	8		8	8		8		8
1/4	1,345.14	1/4	1,114.68	1/4	884.21	1/4	653.74	1/4	423.28	1/4	192.81	1/4		1/4	1/4		1/4		1/4
1/2	1,340.34	1/2	1,109.88	1/2	879.41	1/2	648.94	1/2	418.47	1/2	188.01	1/2		1/2	1/2		1/2		1/2
3/4	1,335.54	3/4	1,105.07	3/4	874.61	3/4	644.14	3/4	413.67	3/4	183.21	3/4		3/4	3/4		3/4		3/4
9	1,330.74	9	1,100.27	9	869.81	9	639.34	9	408.87	9	178.41	9		9	9		9		9
1/4	1,325.94	1/4	1,095.47	1/4	865.01	1/4	634.54	1/4	404.07	1/4	173.61	1/4		1/4	1/4		1/4		1/4
1/2	1,321.14	1/2	1,090.67	1/2	860.20	1/2	629.74	1/2	399.27	1/2	168.81	1/2		1/2	1/2		1/2		1/2
3/4	1,316.34	3/4	1,085.87	3/4	855.40	3/4	624.94	3/4	394.47	3/4	164.00	3/4		3/4	3/4		3/4		3/4
10	1,311.53	10	1,081.07	10	850.60	10	620.13	10	389.67	10	159.20	10		10	10		10		10
1/4	1,306.73	1/4	1,076.27	1/4	845.80	1/4	615.33	1/4	384.87	1/4	154.40	1/4		1/4	1/4		1/4		1/4
1/2	1,301.93	1/2	1,071.46	1/2	841.00	1/2	610.53	1/2	380.06	1/2	149.60	1/2		1/2	1/2		1/2		1/2
3/4	1,297.13	3/4	1,066.66	3/4	836.20	3/4	605.73	3/4	375.26	3/4	144.80	3/4		3/4	3/4		3/4		3/4
11	1,292.33	11	1,061.86	11	831.40	11	600.93	11	370.46	11	140.00	11		11	11		11		11
1/4	1,287.53	1/4	1,057.06	1/4	826.59	1/4	596.13	1/4	365.66	1/4	135.19	1/4		1/4	1/4		1/4		1/4
1/2	1,282.73	1/2	1,052.26	1/2	821.79	1/2	591.33	1/2	360.86	1/2	130.39	1/2		1/2	1/2		1/2		1/2
3/4	1,277.92	3/4	1,047.46	3/4	816.99	3/4	586.52	3/4	356.06	3/4	125.59	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2018 SW  
CALCULATED: 10/24/2018 CL  
VERIFY: 11/20/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2023

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



# BARGE "AL 2301"

## 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	3,118.23	0	2,887.66	0	2,657.09	0	2,426.52	0	2,195.95	0	1,965.39	0	1,734.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,113.42	1/4	2,882.85	1/4	2,652.29	1/4	2,421.72	1/4	2,191.15	1/4	1,960.58	1/4	1,730.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,108.62	1/2	2,878.05	1/2	2,647.48	1/2	2,416.92	1/2	2,186.35	1/2	1,955.78	1/2	1,725.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,103.82	3/4	2,873.25	3/4	2,642.68	3/4	2,412.11	3/4	2,181.54	3/4	1,950.98	3/4	1,720.41
1	1	1	1	1	1	1	3,099.01	1	2,868.44	1	2,637.88	1	2,407.31	1	2,176.74	1	1,946.17	1	1,715.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,094.21	1/4	2,863.64	1/4	2,633.07	1/4	2,402.50	1/4	2,171.94	1/4	1,941.37	1/4	1,710.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,089.41	1/2	2,858.84	1/2	2,628.27	1/2	2,397.70	1/2	2,167.13	1/2	1,936.57	1/2	1,706.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,084.60	3/4	2,854.03	3/4	2,623.47	3/4	2,392.90	3/4	2,162.33	3/4	1,931.76	3/4	1,701.19
2	2	2	2	2	2	2	3,079.80	2	2,849.23	2	2,618.66	2	2,388.09	2	2,157.53	2	1,926.96	2	1,696.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,074.99	1/4	2,844.43	1/4	2,613.86	1/4	2,383.29	1/4	2,152.72	1/4	1,922.15	1/4	1,691.59
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,070.19	1/2	2,839.62	1/2	2,609.06	1/2	2,378.49	1/2	2,147.92	1/2	1,917.35	1/2	1,686.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,065.39	3/4	2,834.82	3/4	2,604.25	3/4	2,373.68	3/4	2,143.12	3/4	1,912.55	3/4	1,681.98
3	3	3	3	3	3	3	3,060.58	3	2,830.02	3	2,599.45	3	2,368.88	3	2,138.31	3	1,907.74	3	1,677.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,055.78	1/4	2,825.21	1/4	2,594.64	1/4	2,364.08	1/4	2,133.51	1/4	1,902.94	1/4	1,672.37
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,050.98	1/2	2,820.41	1/2	2,589.84	1/2	2,359.27	1/2	2,128.71	1/2	1,898.14	1/2	1,667.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,046.17	3/4	2,815.61	3/4	2,585.04	3/4	2,354.47	3/4	2,123.90	3/4	1,893.33	3/4	1,662.77
4	4	4	4	4	4	4	3,041.37	4	2,810.80	4	2,580.23	4	2,349.67	4	2,119.10	4	1,888.53	4	1,657.96
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,036.57	1/4	2,806.00	1/4	2,575.43	1/4	2,344.86	1/4	2,114.29	1/4	1,883.73	1/4	1,653.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,031.76	1/2	2,801.20	1/2	2,570.63	1/2	2,340.06	1/2	2,109.49	1/2	1,878.92	1/2	1,648.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,026.96	3/4	2,796.39	3/4	2,565.82	3/4	2,335.26	3/4	2,104.69	3/4	1,874.12	3/4	1,643.55
5	5	5	5	5	5	5	3,022.16	5	2,791.59	5	2,561.02	5	2,330.45	5	2,099.88	5	1,869.32	5	1,638.75
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,017.35	1/4	2,786.78	1/4	2,556.22	1/4	2,325.65	1/4	2,095.08	1/4	1,864.51	1/4	1,633.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,012.55	1/2	2,781.98	1/2	2,551.41	1/2	2,320.85	1/2	2,090.28	1/2	1,859.71	1/2	1,629.14
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,007.75	3/4	2,777.18	3/4	2,546.61	3/4	2,316.04	3/4	2,085.47	3/4	1,854.91	3/4	1,624.34
6	6	6	6	6	6	6	3,002.94	6	2,772.37	6	2,541.81	6	2,311.24	6	2,080.67	6	1,850.10	6	1,619.53
1/4	1/4	1/4	1/4	1/4	1/4	1/4	2,998.14	1/4	2,767.57	1/4	2,537.00	1/4	2,306.43	1/4	2,075.87	1/4	1,845.30	1/4	1,614.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	2,993.34	1/2	2,762.77	1/2	2,532.20	1/2	2,301.63	1/2	2,071.06	1/2	1,840.50	1/2	1,609.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	2,988.53	3/4	2,757.96	3/4	2,527.40	3/4	2,296.83	3/4	2,066.26	3/4	1,835.69	3/4	1,605.12
7	7	7	3,211.93	7	2,983.73	7	2,753.16	7	2,522.59	7	2,292.02	7	2,061.46	7	1,830.89	7	1,600.32		
1/4	1/4	1/4	3,207.72	1/4	2,978.92	1/4	2,748.36	1/4	2,517.79	1/4	2,287.22	1/4	2,056.65	1/4	1,826.08	1/4	1,595.52		
1/2	1/2	1/2	3,203.51	1/2	2,974.12	1/2	2,743.55	1/2	2,512.99	1/2	2,282.42	1/2	2,051.85	1/2	1,821.28	1/2	1,590.71		
3/4	3/4	3/4	3,199.29	3/4	2,969.32	3/4	2,738.75	3/4	2,508.18	3/4	2,277.61	3/4	2,047.05	3/4	1,816.48	3/4	1,585.91		
8	8	8	3,195.08	8	2,964.51	8	2,733.95	8	2,503.38	8	2,272.81	8	2,042.24	8	1,811.67	8	1,581.11		
1/4	1/4	1/4	3,190.28	1/4	2,959.71	1/4	2,729.14	1/4	2,498.57	1/4	2,268.01	1/4	2,037.44	1/4	1,806.87	1/4	1,576.30		
1/2	1/2	1/2	3,185.48	1/2	2,954.91	1/2	2,724.34	1/2	2,493.77	1/2	2,263.20	1/2	2,032.64	1/2	1,802.07	1/2	1,571.50		
3/4	3/4	3/4	3,180.67	3/4	2,950.10	3/4	2,719.54	3/4	2,488.97	3/4	2,258.40	3/4	2,027.83	3/4	1,797.26	3/4	1,566.70		
9	9	9	3,175.87	9	2,945.30	9	2,714.73	9	2,484.16	9	2,253.60	9	2,023.03	9	1,792.46	9	1,561.89		
1/4	1/4	1/4	3,171.06	1/4	2,940.50	1/4	2,709.93	1/4	2,479.36	1/4	2,248.79	1/4	2,018.22	1/4	1,787.66	1/4	1,557.09		
1/2	1/2	1/2	3,166.26	1/2	2,935.69	1/2	2,705.13	1/2	2,474.56	1/2	2,243.99	1/2	2,013.42	1/2	1,782.85	1/2	1,552.29		
3/4	3/4	3/4	3,161.46	3/4	2,930.89	3/4	2,700.32	3/4	2,469.75	3/4	2,239.19	3/4	2,008.62	3/4	1,778.05	3/4	1,547.48		
10	10	10	3,156.65	10	2,926.09	10	2,695.52	10	2,464.95	10	2,234.38	10	2,003.81	10	1,773.25	10	1,542.68		
1/4	1/4	1/4	3,151.85	1/4	2,921.28	1/4	2,690.71	1/4	2,460.15	1/4	2,229.58	1/4	1,999.01	1/4	1,768.44	1/4	1,537.87		
1/2	1/2	1/2	3,147.05	1/2	2,916.48	1/2	2,685.91	1/2	2,455.34	1/2	2,224.78	1/2	1,994.21	1/2	1,763.64	1/2	1,533.07		
3/4	3/4	3/4	3,142.24	3/4	2,911.68	3/4	2,681.11	3/4	2,450.54	3/4	2,219.97	3/4	1,989.40	3/4	1,758.84	3/4	1,528.27		
11	11	11	3,137.44	11	2,906.87	11	2,676.30	11	2,445.74	11	2,215.17	11	1,984.60	11	1,754.03	11	1,523.46		
1/4	1/4	1/4	3,132.64	1/4	2,902.07	1/4	2,671.50	1/4	2,440.93	1/4	2,210.36	1/4	1,979.80	1/4	1,749.23	1/4	1,518.66		
1/2	1/2	1/2	3,127.83	1/2	2,897.27	1/2	2,666.70	1/2	2,436.13	1/2	2,205.56	1/2	1,974.99	1/2	1,744.43	1/2	1,513.86		
3/4	3/4	3/4	3,123.03	3/4	2,892.46	3/4	2,661.89	3/4	2,431.33	3/4	2,200.76	3/4	1,970.19	3/4	1,739.62	3/4	1,509.05		

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 2301"

## 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	1,504.25	0	1,273.68	0	1,043.12	0	812.55	0	581.98	0	351.41	0	120.84	0		0		0	
1/4	1,499.45	1/4	1,268.88	1/4	1,038.31	1/4	807.75	1/4	577.18	1/4	346.61	1/4	116.04	1/4	1/4	1/4		1/4	1/4
1/2	1,494.64	1/2	1,264.08	1/2	1,033.51	1/2	802.95	1/2	572.37	1/2	341.80	1/2	111.24	1/2	1/2	1/2		1/2	1/2
3/4	1,489.84	3/4	1,259.27	3/4	1,028.71	3/4	798.14	3/4	567.57	3/4	337.00	3/4	106.44	3/4	3/4	3/4		3/4	3/4
1	1,485.04	1	1,254.47	1	1,023.91	1	793.34	1	562.77	1	332.19	1	101.64	1	1	1		1	1
1/4	1,480.23	1/4	1,249.66	1/4	1,019.10	1/4	788.54	1/4	557.96	1/4	327.39	1/4	96.85	1/4	1/4	1/4		1/4	1/4
1/2	1,475.43	1/2	1,244.86	1/2	1,014.30	1/2	783.73	1/2	553.16	1/2	322.59	1/2	92.06	1/2	1/2	1/2		1/2	1/2
3/4	1,470.63	3/4	1,240.06	3/4	1,009.50	3/4	778.93	3/4	548.36	3/4	317.78	3/4	87.26	3/4	3/4	3/4		3/4	3/4
2	1,465.82	2	1,235.25	2	1,004.70	2	774.13	2	543.55	2	312.98	2	82.47	2	2	2		2	2
1/4	1,461.02	1/4	1,230.45	1/4	999.90	1/4	769.32	1/4	538.75	1/4	308.18	1/4	77.69	1/4	1/4	1/4		1/4	1/4
1/2	1,456.22	1/2	1,225.65	1/2	995.09	1/2	764.52	1/2	533.95	1/2	303.37	1/2	72.91	1/2	1/2	1/2		1/2	1/2
3/4	1,451.41	3/4	1,220.84	3/4	990.29	3/4	759.72	3/4	529.14	3/4	298.57	3/4	68.13	3/4	3/4	3/4		3/4	3/4
3	1,446.61	3	1,216.04	3	985.48	3	754.91	3	524.34	3	293.77	3	63.35	3	3	3		3	3
1/4	1,441.80	1/4	1,211.24	1/4	980.68	1/4	750.11	1/4	519.54	1/4	288.96	1/4	58.58	1/4	1/4	1/4		1/4	1/4
1/2	1,437.00	1/2	1,206.43	1/2	975.88	1/2	745.30	1/2	514.73	1/2	284.16	1/2	53.82	1/2	1/2	1/2		1/2	1/2
3/4	1,432.20	3/4	1,201.63	3/4	971.07	3/4	740.50	3/4	509.93	3/4	279.36	3/4	49.05	3/4	3/4	3/4		3/4	3/4
4	1,427.39	4	1,196.83	4	966.27	4	735.70	4	505.12	4	274.55	4	44.29	4	4	4		4	4
1/4	1,422.59	1/4	1,192.02	1/4	961.47	1/4	730.89	1/4	500.32	1/4	269.75	1/4	39.73	1/4	1/4	1/4		1/4	1/4
1/2	1,417.79	1/2	1,187.22	1/2	956.66	1/2	726.09	1/2	495.52	1/2	264.94	1/2	35.18	1/2	1/2	1/2		1/2	1/2
3/4	1,412.98	3/4	1,182.42	3/4	951.86	3/4	721.29	3/4	490.71	3/4	260.14	3/4	30.62	3/4	3/4	3/4		3/4	3/4
5	1,408.18	5	1,177.61	5	947.06	5	716.48	5	485.91	5	255.34	5	26.06	5	5	5		5	5
1/4	1,403.38	1/4	1,172.81	1/4	942.25	1/4	711.68	1/4	481.11	1/4	250.53	1/4	22.46	1/4	1/4	1/4		1/4	1/4
1/2	1,398.57	1/2	1,168.01	1/2	937.45	1/2	706.88	1/2	476.30	1/2	245.73	1/2	18.86	1/2	1/2	1/2		1/2	1/2
3/4	1,393.77	3/4	1,163.20	3/4	932.64	3/4	702.07	3/4	471.50	3/4	240.93	3/4	15.26	3/4	3/4	3/4		3/4	3/4
6	1,388.97	6	1,158.40	6	927.84	6	697.27	6	466.70	6	236.12	6	11.66	6	6	6		6	6
1/4	1,384.16	1/4	1,153.59	1/4	923.04	1/4	692.46	1/4	461.89	1/4	231.32	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,379.36	1/2	1,148.79	1/2	918.23	1/2	687.66	1/2	457.09	1/2	226.52	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,374.56	3/4	1,143.99	3/4	913.43	3/4	682.86	3/4	452.28	3/4	221.71	3/4		3/4	3/4	3/4		3/4	3/4
7	1,369.75	7	1,139.18	7	908.63	7	678.05	7	447.48	7	216.91	7	7	7	7	7		7	7
1/4	1,364.95	1/4	1,134.38	1/4	903.82	1/4	673.25	1/4	442.68	1/4	212.11	1/4	1/4	1/4	1/4	1/4		1/4	1/4
1/2	1,360.15	1/2	1,129.58	1/2	899.02	1/2	668.45	1/2	437.87	1/2	207.30	1/2	1/2	1/2	1/2	1/2		1/2	1/2
3/4	1,355.34	3/4	1,124.77	3/4	894.22	3/4	663.64	3/4	433.07	3/4	202.50	3/4	1/4	1/4	1/4	1/4		1/4	1/4
8	1,350.54	8	1,119.97	8	889.41	8	658.84	8	428.27	8	197.70	8	8	8	8	8		8	8
1/4	1,345.73	1/4	1,115.17	1/4	884.61	1/4	654.04	1/4	423.46	1/4	192.89	1/4	1/4	1/4	1/4	1/4		1/4	1/4
1/2	1,340.93	1/2	1,110.36	1/2	879.81	1/2	649.23	1/2	418.66	1/2	188.09	1/2	1/2	1/2	1/2	1/2		1/2	1/2
3/4	1,336.13	3/4	1,105.56	3/4	875.00	3/4	644.43	3/4	413.86	3/4	183.29	3/4	1/4	1/4	1/4	1/4		1/4	1/4
9	1,331.32	9	1,100.76	9	870.20	9	639.63	9	409.05	9	178.48	9	9	9	9	9		9	9
1/4	1,326.52	1/4	1,095.95	1/4	865.39	1/4	634.82	1/4	404.25	1/4	173.68	1/4	1/4	1/4	1/4	1/4		1/4	1/4
1/2	1,321.72	1/2	1,091.15	1/2	860.59	1/2	630.02	1/2	399.45	1/2	168.88	1/2	1/2	1/2	1/2	1/2		1/2	1/2
3/4	1,316.91	3/4	1,086.35	3/4	855.79	3/4	625.21	3/4	394.64	3/4	164.07	3/4	1/4	1/4	1/4	1/4		1/4	1/4
10	1,312.11	10	1,081.54	10	850.98	10	620.41	10	389.84	10	159.27	10	10	10	10	10		10	10
1/4	1,307.31	1/4	1,076.74	1/4	846.18	1/4	615.61	1/4	385.03	1/4	154.47	1/4	1/4	1/4	1/4	1/4		1/4	1/4
1/2	1,302.50	1/2	1,071.94	1/2	841.38	1/2	610.80	1/2	380.23	1/2	149.66	1/2	1/2	1/2	1/2	1/2		1/2	1/2
3/4	1,297.70	3/4	1,067.13	3/4	836.57	3/4	606.00	3/4	375.43	3/4	144.86	3/4	1/4	1/4	1/4	1/4		1/4	1/4
11	1,292.90	11	1,062.33	11	831.77	11	601.20	11	370.62	11	140.05	11	11	11	11	11		11	11
1/4	1,288.09	1/4	1,057.53	1/4	826.97	1/4	596.39	1/4	365.82	1/4	135.25	1/4	1/4	1/4	1/4	1/4		1/4	1/4
1/2	1,283.29	1/2	1,052.72	1/2	822.16	1/2	591.59	1/2	361.02	1/2	130.45	1/2	1/2	1/2	1/2	1/2		1/2	1/2
3/4	1,278.49	3/4	1,047.92	3/4	817.36	3/4	586.79	3/4	356.21	3/4	125.64	3/4	1/4	1/4	1/4	1/4		1/4	1/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2018 SW  
CALCULATED: 10/24/2018 CL  
VERIFIED: 11/20/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2023

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



# BARGE "AL 2301"

## 2 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	0	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		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 2301"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,510.69	0	1,279.14	0	1,047.58	0	816.02	0	584.47	0	352.91	0	121.36	0		0		0	
1/4	1,505.87	1/4	1,274.31	1/4	1,042.76	1/4	811.20	1/4	579.64	1/4	348.09	1/4	116.54	1/4	1/4		1/4		1/4
1/2	1,501.04	1/2	1,269.49	1/2	1,037.94	1/2	806.37	1/2	574.82	1/2	343.26	1/2	111.72	1/2	1/2		1/2		1/2
3/4	1,496.22	3/4	1,264.66	3/4	1,033.11	3/4	801.55	3/4	569.99	3/4	338.44	3/4	106.90	3/4	3/4		3/4		3/4
1	1,491.40	1	1,259.84	1	1,028.29	1	796.73	1	565.17	1	333.61	1	102.07	1	1		1		1
1/4	1,486.57	1/4	1,255.01	1/4	1,023.46	1/4	791.90	1/4	560.35	1/4	328.79	1/4	97.26	1/4	1/4		1/4		1/4
1/2	1,481.75	1/2	1,250.19	1/2	1,018.64	1/2	787.08	1/2	555.52	1/2	323.96	1/2	92.45	1/2	1/2		1/2		1/2
3/4	1,476.92	3/4	1,245.37	3/4	1,013.81	3/4	782.25	3/4	550.70	3/4	319.14	3/4	87.63	3/4	3/4		3/4		3/4
2	1,472.10	2	1,240.54	2	1,008.99	2	777.43	2	545.87	2	314.32	2	82.82	2	2		2		2
1/4	1,467.28	1/4	1,235.72	1/4	1,004.16	1/4	772.61	1/4	541.05	1/4	309.49	1/4	78.02	1/4	1/4		1/4		1/4
1/2	1,462.45	1/2	1,230.89	1/2	999.34	1/2	767.78	1/2	536.23	1/2	304.67	1/2	73.22	1/2	1/2		1/2		1/2
3/4	1,457.63	3/4	1,226.07	3/4	994.51	3/4	762.96	3/4	531.40	3/4	299.84	3/4	68.42	3/4	3/4		3/4		3/4
3	1,452.80	3	1,221.25	3	989.69	3	758.13	3	526.58	3	295.02	3	63.61	3	3		3		3
1/4	1,447.98	1/4	1,216.42	1/4	984.87	1/4	753.31	1/4	521.75	1/4	290.20	1/4	58.83	1/4	1/4		1/4		1/4
1/2	1,443.15	1/2	1,211.60	1/2	980.04	1/2	748.49	1/2	516.93	1/2	285.37	1/2	54.05	1/2	1/2		1/2		1/2
3/4	1,438.33	3/4	1,206.77	3/4	975.22	3/4	743.66	3/4	512.10	3/4	280.55	3/4	49.26	3/4	3/4		3/4		3/4
4	1,433.51	4	1,201.95	4	970.39	4	738.84	4	507.28	4	275.72	4	44.48	4	4		4		4
1/4	1,428.68	1/4	1,197.13	1/4	965.57	1/4	734.01	1/4	502.46	1/4	270.90	1/4	39.90	1/4	1/4		1/4		1/4
1/2	1,423.86	1/2	1,192.30	1/2	960.75	1/2	729.19	1/2	497.63	1/2	266.08	1/2	35.32	1/2	1/2		1/2		1/2
3/4	1,419.03	3/4	1,187.48	3/4	955.92	3/4	724.36	3/4	492.81	3/4	261.25	3/4	30.75	3/4	3/4		3/4		3/4
5	1,414.21	5	1,182.65	5	951.10	5	719.54	5	487.98	5	256.43	5	26.17	5	5		5		5
1/4	1,409.39	1/4	1,177.83	1/4	946.27	1/4	714.72	1/4	483.16	1/4	251.60	1/4	22.55	1/4	1/4		1/4		1/4
1/2	1,404.56	1/2	1,173.01	1/2	941.45	1/2	709.89	1/2	478.34	1/2	246.78	1/2	18.94	1/2	1/2		1/2		1/2
3/4	1,399.74	3/4	1,168.18	3/4	936.63	3/4	705.07	3/4	473.51	3/4	241.95	3/4	15.32	3/4	3/4		3/4		3/4
6	1,394.91	6	1,163.36	6	931.80	6	700.24	6	468.69	6	237.13	6	11.70	6	6		6		6
1/4	1,390.09	1/4	1,158.53	1/4	926.98	1/4	695.42	1/4	463.86	1/4	232.31	1/4		1/4	1/4		1/4		1/4
1/2	1,385.27	1/2	1,153.71	1/2	922.15	1/2	690.60	1/2	459.04	1/2	227.48	1/2		1/2	1/2		1/2		1/2
3/4	1,380.44	3/4	1,148.88	3/4	917.33	3/4	685.77	3/4	454.22	3/4	222.66	3/4		3/4	3/4		3/4		3/4
7	1,375.62	7	1,144.06	7	912.50	7	680.95	7	449.39	7	217.83	7		7	7		7		7
1/4	1,370.79	1/4	1,139.24	1/4	907.68	1/4	676.12	1/4	444.57	1/4	213.01	1/4		1/4	1/4		1/4		1/4
1/2	1,365.97	1/2	1,134.41	1/2	902.86	1/2	671.30	1/2	439.74	1/2	208.19	1/2		1/2	1/2		1/2		1/2
3/4	1,361.14	3/4	1,129.59	3/4	898.03	3/4	666.48	3/4	434.92	3/4	203.36	3/4		3/4	3/4		3/4		3/4
8	1,356.32	8	1,124.76	8	893.21	8	661.65	8	430.09	8	198.54	8		8	8		8		8
1/4	1,351.50	1/4	1,119.94	1/4	888.38	1/4	656.83	1/4	425.27	1/4	193.72	1/4		1/4	1/4		1/4		1/4
1/2	1,346.67	1/2	1,115.12	1/2	883.56	1/2	652.00	1/2	420.45	1/2	188.89	1/2		1/2	1/2		1/2		1/2
3/4	1,341.85	3/4	1,110.29	3/4	878.74	3/4	647.18	3/4	415.62	3/4	184.07	3/4		3/4	3/4		3/4		3/4
9	1,337.02	9	1,105.47	9	873.91	9	642.36	9	410.80	9	179.24	9		9	9		9		9
1/4	1,332.20	1/4	1,100.64	1/4	869.09	1/4	637.53	1/4	405.97	1/4	174.42	1/4		1/4	1/4		1/4		1/4
1/2	1,327.38	1/2	1,095.82	1/2	864.26	1/2	632.71	1/2	401.15	1/2	169.60	1/2		1/2	1/2		1/2		1/2
3/4	1,322.55	3/4	1,091.00	3/4	859.44	3/4	627.88	3/4	396.33	3/4	164.77	3/4		3/4	3/4		3/4		3/4
10	1,317.73	10	1,086.17	10	854.62	10	623.06	10	391.50	10	159.95	10		10	10		10		10
1/4	1,312.90	1/4	1,081.35	1/4	849.79	1/4	618.23	1/4	386.68	1/4	155.12	1/4		1/4	1/4		1/4		1/4
1/2	1,308.08	1/2	1,076.52	1/2	844.97	1/2	613.41	1/2	381.85	1/2	150.30	1/2		1/2	1/2		1/2		1/2
3/4	1,303.26	3/4	1,071.70	3/4	840.14	3/4	608.59	3/4	377.03	3/4	145.47	3/4		3/4	3/4		3/4		3/4
11	1,298.43	11	1,066.88	11	835.32	11	603.76	11	372.21	11	140.65	11		11	11		11		11
1/4	1,293.61	1/4	1,062.05	1/4	830.50	1/4	598.94	1/4	367.38	1/4	135.83	1/4		1/4	1/4		1/4		1/4
1/2	1,288.78	1/2	1,057.23	1/2	825.67	1/2	594.11	1/2	362.56	1/2	131.00	1/2		1/2	1/2		1/2		1/2
3/4	1,283.96	3/4	1,052.41	3/4	820.85	3/4	589.29	3/4	357.73	3/4	126.18	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2018 SW  
CALCULATED: 10/24/2018 CL  
VERIFIED: 11/20/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2023

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



# BARGE "AL 2301"

## 2 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	3,113.18	0	2,881.92	0	2,650.65	0	2,419.39	0	2,188.13	0	1,956.86	0	1,725.60		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,108.36	1/4	2,877.10	1/4	2,645.84	1/4	2,414.57	1/4	2,183.31	1/4	1,952.04	1/4	1,720.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,103.55	1/2	2,872.28	1/2	2,641.02	1/2	2,409.75	1/2	2,178.49	1/2	1,947.23	1/2	1,715.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,098.73	3/4	2,867.46	3/4	2,636.20	3/4	2,404.94	3/4	2,173.67	3/4	1,942.41	3/4	1,711.14		
1		1		1		1	3,093.91	1	2,862.65	1	2,631.38	1	2,400.12	1	2,168.85	1	1,937.59	1	1,706.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,089.09	1/4	2,857.83	1/4	2,626.56	1/4	2,395.30	1/4	2,164.04	1/4	1,932.77	1/4	1,701.51		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,084.27	1/2	2,853.01	1/2	2,621.75	1/2	2,390.48	1/2	2,159.22	1/2	1,927.95	1/2	1,696.69		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,079.46	3/4	2,848.19	3/4	2,616.93	3/4	2,385.66	3/4	2,154.40	3/4	1,923.14	3/4	1,691.87		
2		2		2		2	3,074.64	2	2,843.37	2	2,612.11	2	2,380.85	2	2,149.58	2	1,918.32	2	1,687.05		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,069.82	1/4	2,838.56	1/4	2,607.29	1/4	2,376.03	1/4	2,144.76	1/4	1,913.50	1/4	1,682.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,065.00	1/2	2,833.74	1/2	2,602.47	1/2	2,371.21	1/2	2,139.95	1/2	1,908.68	1/2	1,677.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,060.18	3/4	2,828.92	3/4	2,597.66	3/4	2,366.39	3/4	2,135.13	3/4	1,903.86	3/4	1,672.60		
3		3		3		3	3,055.37	3	2,824.10	3	2,592.84	3	2,361.57	3	2,130.31	3	1,899.05	3	1,667.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,050.55	1/4	2,819.28	1/4	2,588.02	1/4	2,356.76	1/4	2,125.49	1/4	1,894.23	1/4	1,662.96		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,045.73	1/2	2,814.47	1/2	2,583.20	1/2	2,351.94	1/2	2,120.67	1/2	1,889.41	1/2	1,658.15		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,040.91	3/4	2,809.65	3/4	2,578.38	3/4	2,347.12	3/4	2,115.86	3/4	1,884.59	3/4	1,653.33		
4		4		4		4	3,036.09	4	2,804.83	4	2,573.57	4	2,342.30	4	2,111.04	4	1,879.77	4	1,648.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,031.28	1/4	2,800.01	1/4	2,568.75	1/4	2,337.48	1/4	2,106.22	1/4	1,874.96	1/4	1,643.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,026.46	1/2	2,795.19	1/2	2,563.93	1/2	2,332.67	1/2	2,101.40	1/2	1,870.14	1/2	1,638.87		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,021.64	3/4	2,790.38	3/4	2,559.11	3/4	2,327.85	3/4	2,096.58	3/4	1,865.32	3/4	1,634.06		
5		5		5		5	3,016.82	5	2,785.56	5	2,554.29	5	2,323.03	5	2,091.77	5	1,860.50	5	1,629.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,012.00	1/4	2,780.74	1/4	2,549.48	1/4	2,318.21	1/4	2,086.95	1/4	1,855.68	1/4	1,624.42		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,007.19	1/2	2,775.92	1/2	2,544.66	1/2	2,313.39	1/2	2,082.13	1/2	1,850.87	1/2	1,619.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,002.37	3/4	2,771.10	3/4	2,539.84	3/4	2,308.58	3/4	2,077.31	3/4	1,846.05	3/4	1,614.78		
6		6		6		6	2,997.55	6	2,766.29	6	2,535.02	6	2,303.76	6	2,072.49	6	1,841.23	6	1,609.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,221.61	1/4	2,992.73	1/4	2,761.47	1/4	2,530.20	1/4	2,298.94	1/4	2,067.68	1/4	1,836.41	1/4	1,605.15
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,217.39	1/2	2,987.91	1/2	2,756.65	1/2	2,525.39	1/2	2,294.12	1/2	2,062.86	1/2	1,831.59	1/2	1,600.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,213.17	3/4	2,983.10	3/4	2,751.83	3/4	2,520.57	3/4	2,289.30	3/4	2,058.04	3/4	1,826.78	3/4	1,595.51
7		7		7		7	3,208.94	7	2,978.28	7	2,747.01	7	2,515.75	7	2,284.49	7	2,053.22	7	1,821.96	7	1,590.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,204.72	1/4	2,973.46	1/4	2,742.20	1/4	2,510.93	1/4	2,279.67	1/4	2,048.40	1/4	1,817.14	1/4	1,585.88
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,199.91	1/2	2,968.64	1/2	2,737.38	1/2	2,506.11	1/2	2,274.85	1/2	2,043.59	1/2	1,812.32	1/2	1,581.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,195.09	3/4	2,963.82	3/4	2,732.56	3/4	2,501.30	3/4	2,270.03	3/4	2,038.77	3/4	1,807.50	3/4	1,576.24
8		8		8		8	3,190.27	8	2,959.01	8	2,727.74	8	2,496.48	8	2,265.21	8	2,033.95	8	1,802.69	8	1,571.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,185.45	1/4	2,954.19	1/4	2,722.92	1/4	2,491.66	1/4	2,260.40	1/4	2,029.13	1/4	1,797.87	1/4	1,566.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,180.63	1/2	2,949.37	1/2	2,718.11	1/2	2,486.84	1/2	2,255.58	1/2	2,024.31	1/2	1,793.05	1/2	1,561.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,175.82	3/4	2,944.55	3/4	2,713.29	3/4	2,482.02	3/4	2,250.76	3/4	2,019.50	3/4	1,788.23	3/4	1,556.97
9		9		9		9	3,171.00	9	2,939.73	9	2,708.47	9	2,477.21	9	2,245.94	9	2,014.68	9	1,783.41	9	1,552.15
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,166.18	1/4	2,934.92	1/4	2,703.65	1/4	2,472.39	1/4	2,241.12	1/4	2,009.86	1/4	1,778.60	1/4	1,547.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,161.36	1/2	2,930.10	1/2	2,698.83	1/2	2,467.57	1/2	2,236.31	1/2	2,005.04	1/2	1,773.78	1/2	1,542.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,156.54	3/4	2,925.28	3/4	2,694.02	3/4	2,462.75	3/4	2,231.49	3/4	2,000.22	3/4	1,768.96	3/4	1,537.70
10		10		10		10	3,151.73	10	2,920.46	10	2,689.20	10	2,457.93	10	2,226.67	10	1,995.41	10	1,764.14	10	1,532.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,146.91	1/4	2,915.64	1/4	2,684.38	1/4	2,453.12	1/4	2,221.85	1/4	1,990.59	1/4	1,759.32	1/4	1,528.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,142.09	1/2	2,910.83	1/2	2,679.56	1/2	2,448.30	1/2	2,217.03	1/2	1,985.77	1/2	1,754.51	1/2	1,523.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,137.27	3/4	2,906.01	3/4	2,674.74	3/4	2,443.48	3/4	2,212.22	3/4	1,980.95	3/4	1,749.69	3/4	1,518.42
11		11		11		11	3,132.45	11	2,901.19	11	2,669.93	11	2,438.66	11	2,207.40	11	1,976.13	11	1,744.87	11	1,513.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,127.64	1/4	2,896.37	1/4	2,665.11	1/4	2,433.84	1/4	2,202.58	1/4	1,971.32	1/4	1,740.05	1/4	1,508.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,122.82	1/2	2,891.55	1/2	2,660.29	1/2	2,429.03	1/2	2,197.76	1/2	1,966.50	1/2	1,735.23	1/2	1,503.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,118.00	3/4	2,886.74	3/4	2,655.47	3/4	2,424.21	3/4	2,192.94	3/4	1,961.68	3/4	1,730.42	3/4	1,499.15

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 2301"

## 2 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	1,489.52	1/4	1,258.25	1/4	1,026.99	1/4	795.74	1/4	564.47	1/4	333.20	1/4	101.95	1/4		1/4		1/4	
1/2	1,484.70	1/2	1,253.43	1/2	1,022.18	1/2	790.92	1/2	559.65	1/2	328.38	1/2	97.14	1/2		1/2		1/2	
3/4	1,479.88	3/4	1,248.62	3/4	1,017.36	3/4	786.10	3/4	554.83	3/4	323.56	3/4	92.34	3/4		3/4		3/4	
1	1,475.06	1	1,243.80	1	1,012.55	1	781.28	1	550.01	1	318.74	1	87.53	1		1		1	
1/4	1,470.24	1/4	1,238.98	1/4	1,007.73	1/4	776.46	1/4	545.19	1/4	313.93	1/4	82.72	1/4		1/4		1/4	
1/2	1,465.43	1/2	1,234.16	1/2	1,002.91	1/2	771.65	1/2	540.38	1/2	309.11	1/2	77.93	1/2		1/2		1/2	
3/4	1,460.61	3/4	1,229.34	3/4	998.10	3/4	766.83	3/4	535.56	3/4	304.29	3/4	73.13	3/4		3/4		3/4	
2	1,455.79	2	1,224.53	2	993.28	2	762.01	2	530.74	2	299.47	2	68.33	2		2		2	
1/4	1,450.97	1/4	1,219.71	1/4	988.46	1/4	757.19	1/4	525.92	1/4	294.65	1/4	63.54	1/4		1/4		1/4	
1/2	1,446.15	1/2	1,214.89	1/2	983.64	1/2	752.37	1/2	521.10	1/2	289.84	1/2	58.76	1/2		1/2		1/2	
3/4	1,441.34	3/4	1,210.07	3/4	978.82	3/4	747.55	3/4	516.29	3/4	285.02	3/4	53.98	3/4		3/4		3/4	
3	1,436.52	3	1,205.25	3	974.01	3	742.74	3	511.47	3	280.20	3	49.20	3		3		3	
1/4	1,431.70	1/4	1,200.44	1/4	969.19	1/4	737.92	1/4	506.65	1/4	275.38	1/4	44.43	1/4		1/4		1/4	
1/2	1,426.88	1/2	1,195.62	1/2	964.37	1/2	733.10	1/2	501.83	1/2	270.56	1/2	39.65	1/2		1/2		1/2	
3/4	1,422.06	3/4	1,190.80	3/4	959.55	3/4	728.28	3/4	497.01	3/4	265.74	3/4	35.28	3/4		3/4		3/4	
4	1,417.25	4	1,185.98	4	954.73	4	723.46	4	492.20	4	260.93	4	30.71	4		4		4	
1/4	1,412.43	1/4	1,181.16	1/4	949.92	1/4	718.65	1/4	487.38	1/4	256.11	1/4	26.14	1/4		1/4		1/4	
1/2	1,407.61	1/2	1,176.35	1/2	945.10	1/2	713.83	1/2	482.56	1/2	251.29	1/2	22.53	1/2		1/2		1/2	
3/4	1,402.79	3/4	1,171.53	3/4	940.28	3/4	709.01	3/4	477.74	3/4	246.47	3/4	18.92	3/4		3/4		3/4	
5	1,397.97	5	1,166.71	5	935.46	5	704.19	5	472.92	5	241.65	5	15.30	5		5		5	
1/4	1,393.16	1/4	1,161.89	1/4	930.64	1/4	699.37	1/4	468.11	1/4	236.84	1/4	11.69	1/4		1/4		1/4	
1/2	1,388.34	1/2	1,157.07	1/2	925.82	1/2	694.56	1/2	463.29	1/2	232.02	1/2		1/2		1/2		1/2	
3/4	1,383.52	3/4	1,152.26	3/4	921.01	3/4	689.74	3/4	458.47	3/4	227.20	3/4		3/4		3/4		3/4	
6	1,378.70	6	1,147.44	6	916.19	6	684.92	6	453.65	6	222.38	6		6		6		6	
1/4	1,373.88	1/4	1,142.62	1/4	911.37	1/4	680.10	1/4	448.83	1/4	217.56	1/4		1/4		1/4		1/4	
1/2	1,369.07	1/2	1,137.80	1/2	906.55	1/2	675.28	1/2	444.01	1/2	212.75	1/2		1/2		1/2		1/2	
3/4	1,364.25	3/4	1,132.98	3/4	901.73	3/4	670.47	3/4	439.20	3/4	207.93	3/4		3/4		3/4		3/4	
7	1,359.43	7	1,128.17	7	896.92	7	665.65	7	434.38	7	203.11	7		7		7		7	
1/4	1,354.61	1/4	1,123.35	1/4	892.10	1/4	660.83	1/4	429.56	1/4	198.29	1/4		1/4		1/4		1/4	
1/2	1,349.79	1/2	1,118.53	1/2	887.28	1/2	656.01	1/2	424.74	1/2	193.48	1/2		1/2		1/2		1/2	
3/4	1,344.98	3/4	1,113.71	3/4	882.46	3/4	651.19	3/4	419.92	3/4	188.66	3/4		3/4		3/4		3/4	
8	1,340.16	8	1,108.89	8	877.64	8	646.37	8	415.11	8	183.84	8		8		8		8	
1/4	1,335.34	1/4	1,104.08	1/4	872.83	1/4	641.56	1/4	410.29	1/4	179.02	1/4		1/4		1/4		1/4	
1/2	1,330.52	1/2	1,099.26	1/2	868.01	1/2	636.74	1/2	405.47	1/2	174.20	1/2		1/2		1/2		1/2	
3/4	1,325.70	3/4	1,094.44	3/4	863.19	3/4	631.92	3/4	400.65	3/4	169.39	3/4		3/4		3/4		3/4	
9	1,320.89	9	1,089.62	9	858.37	9	627.10	9	395.83	9	164.57	9		9		9		9	
1/4	1,316.07	1/4	1,084.80	1/4	853.55	1/4	622.28	1/4	391.02	1/4	159.75	1/4		1/4		1/4		1/4	
1/2	1,311.25	1/2	1,079.99	1/2	848.74	1/2	617.47	1/2	386.20	1/2	154.93	1/2		1/2		1/2		1/2	
3/4	1,306.43	3/4	1,075.17	3/4	843.92	3/4	612.65	3/4	381.38	3/4	150.11	3/4		3/4		3/4		3/4	
10	1,301.61	10	1,070.35	10	839.10	10	607.83	10	376.56	10	145.30	10		10		10		10	
1/4	1,296.80	1/4	1,065.53	1/4	834.28	1/4	603.01	1/4	371.74	1/4	140.48	1/4		1/4		1/4		1/4	
1/2	1,291.98	1/2	1,060.71	1/2	829.46	1/2	598.19	1/2	366.93	1/2	135.66	1/2		1/2		1/2		1/2	
3/4	1,287.16	3/4	1,055.90	3/4	824.64	3/4	593.38	3/4	362.11	3/4	130.84	3/4		3/4		3/4		3/4	
11	1,282.34	11	1,051.08	11	819.83	11	588.56	11	357.29	11	126.02	11		11		11		11	
1/4	1,277.52	1/4	1,046.26	1/4	815.01	1/4	583.74	1/4	352.47	1/4	121.21	1/4		1/4		1/4		1/4	
1/2	1,272.71	1/2	1,041.45	1/2	810.19	1/2	578.92	1/2	347.65	1/2	116.39	1/2		1/2		1/2		1/2	
3/4	1,267.89	3/4	1,036.63	3/4	805.37	3/4	574.10	3/4	342.83	3/4	111.58	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2018 SW  
CALCULATED: 10/24/2018 CL  
VERIFIED: 11/20/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2023

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



# BARGE "AL 2301"

## 3 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	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		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 2301"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,507.93	0	1,276.80	0	1,045.67	0	814.53	0	583.40	0	352.26	0	121.13	0		0		0	
1/4	1,503.12	1/4	1,271.98	1/4	1,040.85	1/4	809.72	1/4	578.58	1/4	347.45	1/4	116.32	1/4	1/4		1/4	1/4	
1/2	1,498.30	1/2	1,267.17	1/2	1,036.04	1/2	804.90	1/2	573.77	1/2	342.63	1/2	111.51	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,493.49	3/4	1,262.35	3/4	1,031.23	3/4	800.09	3/4	568.95	3/4	337.82	3/4	106.70	3/4	3/4	3/4	3/4	3/4	3/4
1	1,488.67	1	1,257.54	1	1,026.41	1	795.27	1	564.14	1	333.00	1	101.89	1	1	1	1	1	1
1/4	1,483.86	1/4	1,252.72	1/4	1,021.59	1/4	790.46	1/4	559.32	1/4	328.19	1/4	97.08	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,479.04	1/2	1,247.91	1/2	1,016.78	1/2	785.64	1/2	554.51	1/2	323.37	1/2	92.28	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,474.23	3/4	1,243.09	3/4	1,011.96	3/4	780.82	3/4	549.69	3/4	318.56	3/4	87.47	3/4	3/4	3/4	3/4	3/4	3/4
2	1,469.41	2	1,238.28	2	1,007.14	2	776.01	2	544.88	2	313.74	2	82.67	2	2	2	2	2	2
1/4	1,464.60	1/4	1,233.46	1/4	1,002.33	1/4	771.19	1/4	540.06	1/4	308.93	1/4	77.87	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,459.78	1/2	1,228.65	1/2	997.51	1/2	766.38	1/2	535.24	1/2	304.11	1/2	73.08	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,454.97	3/4	1,223.83	3/4	992.70	3/4	761.56	3/4	530.43	3/4	299.29	3/4	68.29	3/4	3/4	3/4	3/4	3/4	3/4
3	1,450.15	3	1,219.02	3	987.88	3	756.75	3	525.61	3	294.48	3	63.49	3	3	3	3	3	3
1/4	1,445.34	1/4	1,214.20	1/4	983.07	1/4	751.93	1/4	520.80	1/4	289.66	1/4	58.72	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,440.52	1/2	1,209.39	1/2	978.25	1/2	747.12	1/2	515.98	1/2	284.85	1/2	53.94	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,435.70	3/4	1,204.57	3/4	973.44	3/4	742.30	3/4	511.17	3/4	280.03	3/4	49.17	3/4	3/4	3/4	3/4	3/4	3/4
4	1,430.89	4	1,199.75	4	968.62	4	737.49	4	506.35	4	275.22	4	44.39	4	4	4	4	4	4
1/4	1,426.07	1/4	1,194.94	1/4	963.81	1/4	732.67	1/4	501.54	1/4	270.40	1/4	39.82	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,421.26	1/2	1,190.12	1/2	958.99	1/2	727.86	1/2	496.72	1/2	265.59	1/2	35.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,416.44	3/4	1,185.31	3/4	954.18	3/4	723.04	3/4	491.91	3/4	260.77	3/4	30.69	3/4	3/4	3/4	3/4	3/4	3/4
5	1,411.63	5	1,180.49	5	949.36	5	718.23	5	487.09	5	255.96	5	26.12	5	5	5	5	5	5
1/4	1,406.81	1/4	1,175.68	1/4	944.55	1/4	713.41	1/4	482.28	1/4	251.14	1/4	22.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,402.00	1/2	1,170.86	1/2	939.73	1/2	708.60	1/2	477.46	1/2	246.33	1/2	18.90	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,397.18	3/4	1,166.05	3/4	934.91	3/4	703.78	3/4	472.65	3/4	241.51	3/4	15.29	3/4	3/4	3/4	3/4	3/4	3/4
6	1,392.37	6	1,161.23	6	930.10	6	698.96	6	467.83	6	236.70	6	11.68	6	6	6	6	6	6
1/4	1,387.55	1/4	1,156.42	1/4	925.28	1/4	694.15	1/4	463.02	1/4	231.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,382.74	1/2	1,151.60	1/2	920.47	1/2	689.33	1/2	458.20	1/2	227.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,377.92	3/4	1,146.79	3/4	915.65	3/4	684.52	3/4	453.38	3/4	222.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,373.11	7	1,141.97	7	910.84	7	679.70	7	448.57	7	217.43	7		7	7	7	7	7	7
1/4	1,368.29	1/4	1,137.16	1/4	906.02	1/4	674.89	1/4	443.75	1/4	212.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,363.47	1/2	1,132.34	1/2	901.21	1/2	670.07	1/2	438.94	1/2	207.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,358.66	3/4	1,127.53	3/4	896.39	3/4	665.26	3/4	434.12	3/4	202.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,353.84	8	1,122.71	8	891.58	8	660.44	8	429.31	8	198.17	8		8	8	8	8	8	8
1/4	1,349.03	1/4	1,117.89	1/4	886.76	1/4	655.63	1/4	424.49	1/4	193.36	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,344.21	1/2	1,113.08	1/2	881.95	1/2	650.81	1/2	419.68	1/2	188.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,339.40	3/4	1,108.26	3/4	877.13	3/4	646.00	3/4	414.86	3/4	183.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,334.58	9	1,103.45	9	872.32	9	641.18	9	410.05	9	178.92	9		9	9	9	9	9	9
1/4	1,329.77	1/4	1,098.63	1/4	867.50	1/4	636.37	1/4	405.23	1/4	174.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,324.95	1/2	1,093.82	1/2	862.68	1/2	631.55	1/2	400.42	1/2	169.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,320.14	3/4	1,089.00	3/4	857.87	3/4	626.74	3/4	395.60	3/4	164.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,315.32	10	1,084.19	10	853.05	10	621.92	10	390.79	10	159.65	10		10	10	10	10	10	10
1/4	1,310.51	1/4	1,079.37	1/4	848.24	1/4	617.10	1/4	385.97	1/4	154.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,305.69	1/2	1,074.56	1/2	843.42	1/2	612.29	1/2	381.15	1/2	150.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,300.88	3/4	1,069.74	3/4	838.61	3/4	607.47	3/4	376.34	3/4	145.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,296.06	11	1,064.93	11	833.79	11	602.66	11	371.52	11	140.39	11		11	11	11	11	11	11
1/4	1,291.25	1/4	1,060.11	1/4	828.98	1/4	597.84	1/4	366.71	1/4	135.58	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,286.43	1/2	1,055.30	1/2	824.16	1/2	593.03	1/2	361.89	1/2	130.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,281.61	3/4	1,050.48	3/4	819.35	3/4	588.21	3/4	357.08	3/4	125.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2018 SW  
CALCULATED: 10/24/2018 CL  
VERIFIED: 11/20/2023 JS

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2023



# BARGE "AL 2301"

## 3 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	0	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		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 2301"

## 3 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	1,509.08	0	1,277.77	0	1,046.46	0	815.15	0	583.84	0	352.54	0	121.23	0		0		0	
1/4	1,504.26	1/4	1,272.95	1/4	1,041.65	1/4	810.33	1/4	579.02	1/4	347.72	1/4	116.42	1/4	1/4	1/4		1/4	1/4
1/2	1,499.44	1/2	1,268.13	1/2	1,036.83	1/2	805.51	1/2	574.21	1/2	342.90	1/2	111.60	1/2	1/2	1/2		1/2	1/2
3/4	1,494.63	3/4	1,263.31	3/4	1,032.01	3/4	800.69	3/4	569.39	3/4	338.08	3/4	106.79	3/4	3/4	3/4		3/4	3/4
1	1,489.81	1	1,258.49	1	1,027.19	1	795.87	1	564.57	1	333.26	1	101.97	1	1	1		1	1
1/4	1,484.99	1/4	1,253.68	1/4	1,022.37	1/4	791.06	1/4	559.75	1/4	328.44	1/4	97.16	1/4	1/4	1/4		1/4	1/4
1/2	1,480.17	1/2	1,248.86	1/2	1,017.55	1/2	786.24	1/2	554.93	1/2	323.62	1/2	92.35	1/2	1/2	1/2		1/2	1/2
3/4	1,475.35	3/4	1,244.04	3/4	1,012.73	3/4	781.42	3/4	550.11	3/4	318.80	3/4	87.55	3/4	3/4	3/4		3/4	3/4
2	1,470.53	2	1,239.22	2	1,007.91	2	776.60	2	545.29	2	313.98	2	82.74	2	2	2		2	2
1/4	1,465.71	1/4	1,234.40	1/4	1,003.09	1/4	771.78	1/4	540.47	1/4	309.17	1/4	77.94	1/4	1/4	1/4		1/4	1/4
1/2	1,460.89	1/2	1,229.58	1/2	998.27	1/2	766.96	1/2	535.65	1/2	304.35	1/2	73.14	1/2	1/2	1/2		1/2	1/2
3/4	1,456.07	3/4	1,224.76	3/4	993.45	3/4	762.14	3/4	530.83	3/4	299.53	3/4	68.35	3/4	3/4	3/4		3/4	3/4
3	1,451.25	3	1,219.94	3	988.63	3	757.32	3	526.02	3	294.71	3	63.55	3	3	3		3	3
1/4	1,446.44	1/4	1,215.12	1/4	983.81	1/4	752.50	1/4	521.20	1/4	289.89	1/4	58.77	1/4	1/4	1/4		1/4	1/4
1/2	1,441.62	1/2	1,210.30	1/2	978.99	1/2	747.69	1/2	516.38	1/2	285.07	1/2	53.99	1/2	1/2	1/2		1/2	1/2
3/4	1,436.80	3/4	1,205.49	3/4	974.17	3/4	742.87	3/4	511.56	3/4	280.25	3/4	49.21	3/4	3/4	3/4		3/4	3/4
4	1,431.98	4	1,200.67	4	969.35	4	738.05	4	506.74	4	275.43	4	44.43	4	4	4		4	4
1/4	1,427.16	1/4	1,195.85	1/4	964.54	1/4	733.23	1/4	501.92	1/4	270.61	1/4	39.86	1/4	1/4	1/4		1/4	1/4
1/2	1,422.34	1/2	1,191.03	1/2	959.72	1/2	728.41	1/2	497.10	1/2	265.80	1/2	35.29	1/2	1/2	1/2		1/2	1/2
3/4	1,417.52	3/4	1,186.21	3/4	954.90	3/4	723.59	3/4	492.28	3/4	260.98	3/4	30.72	3/4	3/4	3/4		3/4	3/4
5	1,412.70	5	1,181.39	5	950.08	5	718.77	5	487.46	5	256.16	5	26.15	5	5	5		5	5
1/4	1,407.88	1/4	1,176.57	1/4	945.26	1/4	713.95	1/4	482.65	1/4	251.34	1/4	22.53	1/4	1/4	1/4		1/4	1/4
1/2	1,403.06	1/2	1,171.75	1/2	940.44	1/2	709.13	1/2	477.83	1/2	246.52	1/2	18.92	1/2	1/2	1/2		1/2	1/2
3/4	1,398.25	3/4	1,166.93	3/4	935.62	3/4	704.32	3/4	473.01	3/4	241.70	3/4	15.31	3/4	3/4	3/4		3/4	3/4
6	1,393.43	6	1,162.11	6	930.80	6	699.50	6	468.19	6	236.88	6	11.69	6	6	6		6	6
1/4	1,388.61	1/4	1,157.30	1/4	925.98	1/4	694.68	1/4	463.37	1/4	232.06	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,383.79	1/2	1,152.48	1/2	921.17	1/2	689.86	1/2	458.55	1/2	227.24	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,378.97	3/4	1,147.66	3/4	916.35	3/4	685.04	3/4	453.73	3/4	222.43	3/4		3/4	3/4	3/4		3/4	3/4
7	1,374.15	7	1,142.84	7	911.53	7	680.22	7	448.91	7	217.61	7		7	7	7		7	7
1/4	1,369.33	1/4	1,138.02	1/4	906.71	1/4	675.40	1/4	444.09	1/4	212.79	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,364.51	1/2	1,133.20	1/2	901.89	1/2	670.58	1/2	439.28	1/2	207.97	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,359.69	3/4	1,128.38	3/4	897.07	3/4	665.76	3/4	434.46	3/4	203.15	3/4		3/4	3/4	3/4		3/4	3/4
8	1,354.87	8	1,123.56	8	892.25	8	660.95	8	429.64	8	198.33	8		8	8	8		8	8
1/4	1,350.06	1/4	1,118.74	1/4	887.43	1/4	656.13	1/4	424.82	1/4	193.51	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,345.24	1/2	1,113.92	1/2	882.61	1/2	651.31	1/2	420.00	1/2	188.69	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,340.42	3/4	1,109.11	3/4	877.80	3/4	646.49	3/4	415.18	3/4	183.88	3/4		3/4	3/4	3/4		3/4	3/4
9	1,335.60	9	1,104.29	9	872.98	9	641.67	9	410.36	9	179.06	9		9	9	9		9	9
1/4	1,330.78	1/4	1,099.47	1/4	868.16	1/4	636.85	1/4	405.54	1/4	174.24	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,325.96	1/2	1,094.65	1/2	863.34	1/2	632.03	1/2	400.72	1/2	169.42	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,321.14	3/4	1,089.83	3/4	858.52	3/4	627.21	3/4	395.91	3/4	164.60	3/4		3/4	3/4	3/4		3/4	3/4
10	1,316.32	10	1,085.01	10	853.70	10	622.39	10	391.09	10	159.78	10		10	10	10		10	10
1/4	1,311.50	1/4	1,080.19	1/4	848.88	1/4	617.58	1/4	386.27	1/4	154.96	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,306.68	1/2	1,075.37	1/2	844.06	1/2	612.76	1/2	381.45	1/2	150.14	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,301.87	3/4	1,070.55	3/4	839.24	3/4	607.94	3/4	376.63	3/4	145.32	3/4		3/4	3/4	3/4		3/4	3/4
11	1,297.05	11	1,065.74	11	834.43	11	603.12	11	371.81	11	140.50	11		11	11	11		11	11
1/4	1,292.23	1/4	1,060.92	1/4	829.61	1/4	598.30	1/4	366.99	1/4	135.69	1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,287.41	1/2	1,056.10	1/2	824.79	1/2	593.48	1/2	362.17	1/2	130.87	1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,282.59	3/4	1,051.28	3/4	819.97	3/4	588.66	3/4	357.35	3/4	126.05	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2018 SW  
CALCULATED: 10/24/2018 CL  
VERIFIED: 11/20/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2023

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





# BARGE "AL 2301"

## 4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	1,511.18	0	1,279.55	0	1,047.92	0	816.29	0	584.65	0	353.02	0	121.39	0		0		0	
1/4	1,506.36	1/4	1,274.72	1/4	1,043.10	1/4	811.46	1/4	579.83	1/4	348.20	1/4	116.57	1/4	1/4	1/4		1/4	
1/2	1,501.53	1/2	1,269.90	1/2	1,038.27	1/2	806.64	1/2	575.00	1/2	343.37	1/2	111.75	1/2	1/2	1/2		1/2	
3/4	1,496.71	3/4	1,265.07	3/4	1,033.45	3/4	801.81	3/4	570.18	3/4	338.54	3/4	106.93	3/4	3/4	3/4		3/4	
1	1,491.88	1	1,260.25	1	1,028.62	1	796.99	1	565.35	1	333.72	1	102.10	1	1	1		1	
1/4	1,487.05	1/4	1,255.42	1/4	1,023.79	1/4	792.16	1/4	560.53	1/4	328.89	1/4	97.29	1/4	1/4	1/4		1/4	
1/2	1,482.23	1/2	1,250.60	1/2	1,018.97	1/2	787.33	1/2	555.70	1/2	324.07	1/2	92.47	1/2	1/2	1/2		1/2	
3/4	1,477.40	3/4	1,245.77	3/4	1,014.14	3/4	782.51	3/4	550.87	3/4	319.24	3/4	87.66	3/4	3/4	3/4		3/4	
2	1,472.58	2	1,240.94	2	1,009.32	2	777.68	2	546.05	2	314.42	2	82.84	2	2	2		2	
1/4	1,467.75	1/4	1,236.12	1/4	1,004.49	1/4	772.86	1/4	541.22	1/4	309.59	1/4	78.04	1/4	1/4	1/4		1/4	
1/2	1,462.93	1/2	1,231.29	1/2	999.67	1/2	768.03	1/2	536.40	1/2	304.76	1/2	73.24	1/2	1/2	1/2		1/2	
3/4	1,458.10	3/4	1,226.47	3/4	994.84	3/4	763.21	3/4	531.57	3/4	299.94	3/4	68.43	3/4	3/4	3/4		3/4	
3	1,453.27	3	1,221.64	3	990.01	3	758.38	3	526.75	3	295.11	3	63.63	3	3	3		3	
1/4	1,448.45	1/4	1,216.82	1/4	985.19	1/4	753.55	1/4	521.92	1/4	290.29	1/4	58.84	1/4	1/4	1/4		1/4	
1/2	1,443.62	1/2	1,211.99	1/2	980.36	1/2	748.73	1/2	517.10	1/2	285.46	1/2	54.06	1/2	1/2	1/2		1/2	
3/4	1,438.80	3/4	1,207.16	3/4	975.54	3/4	743.90	3/4	512.27	3/4	280.64	3/4	49.27	3/4	3/4	3/4		3/4	
4	1,433.97	4	1,202.34	4	970.71	4	739.08	4	507.44	4	275.81	4	44.49	4	4	4		4	
1/4	1,429.15	1/4	1,197.51	1/4	965.89	1/4	734.25	1/4	502.62	1/4	270.98	1/4	39.91	1/4	1/4	1/4		1/4	
1/2	1,424.32	1/2	1,192.69	1/2	961.06	1/2	729.43	1/2	497.79	1/2	266.16	1/2	35.33	1/2	1/2	1/2		1/2	
3/4	1,419.49	3/4	1,187.86	3/4	956.23	3/4	724.60	3/4	492.97	3/4	261.33	3/4	30.75	3/4	3/4	3/4		3/4	
5	1,414.67	5	1,183.04	5	951.41	5	719.77	5	488.14	5	256.51	5	26.17	5	5	5		5	
1/4	1,409.84	1/4	1,178.21	1/4	946.58	1/4	714.95	1/4	483.32	1/4	251.68	1/4	22.55	1/4	1/4	1/4		1/4	
1/2	1,405.02	1/2	1,173.38	1/2	941.76	1/2	710.12	1/2	478.49	1/2	246.86	1/2	18.94	1/2	1/2	1/2		1/2	
3/4	1,400.19	3/4	1,168.56	3/4	936.93	3/4	705.30	3/4	473.66	3/4	242.03	3/4	15.32	3/4	3/4	3/4		3/4	
6	1,395.37	6	1,163.73	6	932.11	6	700.47	6	468.84	6	237.20	6	11.71	6	6	6		6	
1/4	1,390.54	1/4	1,158.91	1/4	927.28	1/4	695.65	1/4	464.01	1/4	232.38	1/4		1/4	1/4	1/4		1/4	
1/2	1,385.72	1/2	1,154.08	1/2	922.45	1/2	690.82	1/2	459.19	1/2	227.55	1/2		1/2	1/2	1/2		1/2	
3/4	1,380.89	3/4	1,149.26	3/4	917.63	3/4	685.99	3/4	454.36	3/4	222.73	3/4		3/4	3/4	3/4		3/4	
7	1,376.06	7	1,144.43	7	912.80	7	681.17	7	449.54	7	217.90	7		7	7	7		7	
1/4	1,371.24	1/4	1,139.60	1/4	907.98	1/4	676.34	1/4	444.71	1/4	213.08	1/4		1/4	1/4	1/4		1/4	
1/2	1,366.41	1/2	1,134.78	1/2	903.15	1/2	671.52	1/2	439.88	1/2	208.25	1/2		1/2	1/2	1/2		1/2	
3/4	1,361.59	3/4	1,129.95	3/4	898.33	3/4	666.69	3/4	435.06	3/4	203.43	3/4		3/4	3/4	3/4		3/4	
8	1,356.76	8	1,125.13	8	893.50	8	661.87	8	430.23	8	198.60	8		8	8	8		8	
1/4	1,351.94	1/4	1,120.30	1/4	888.67	1/4	657.04	1/4	425.41	1/4	193.77	1/4		1/4	1/4	1/4		1/4	
1/2	1,347.11	1/2	1,115.48	1/2	883.85	1/2	652.21	1/2	420.58	1/2	188.95	1/2		1/2	1/2	1/2		1/2	
3/4	1,342.28	3/4	1,110.65	3/4	879.02	3/4	647.39	3/4	415.76	3/4	184.12	3/4		3/4	3/4	3/4		3/4	
9	1,337.46	9	1,105.82	9	874.20	9	642.56	9	410.93	9	179.30	9		9	9	9		9	
1/4	1,332.63	1/4	1,101.00	1/4	869.37	1/4	637.74	1/4	406.10	1/4	174.47	1/4		1/4	1/4	1/4		1/4	
1/2	1,327.81	1/2	1,096.17	1/2	864.55	1/2	632.91	1/2	401.28	1/2	169.65	1/2		1/2	1/2	1/2		1/2	
3/4	1,322.98	3/4	1,091.35	3/4	859.72	3/4	628.09	3/4	396.45	3/4	164.82	3/4		3/4	3/4	3/4		3/4	
10	1,318.16	10	1,086.52	10	854.89	10	623.26	10	391.63	10	160.00	10		10	10	10		10	
1/4	1,313.33	1/4	1,081.70	1/4	850.07	1/4	618.43	1/4	386.80	1/4	155.17	1/4		1/4	1/4	1/4		1/4	
1/2	1,308.50	1/2	1,076.87	1/2	845.24	1/2	613.61	1/2	381.98	1/2	150.34	1/2		1/2	1/2	1/2		1/2	
3/4	1,303.68	3/4	1,072.05	3/4	840.42	3/4	608.78	3/4	377.15	3/4	145.52	3/4		3/4	3/4	3/4		3/4	
11	1,298.85	11	1,067.22	11	835.59	11	603.96	11	372.32	11	140.69	11		11	11	11		11	
1/4	1,294.03	1/4	1,062.40	1/4	830.77	1/4	599.13	1/4	367.50	1/4	135.87	1/4		1/4	1/4	1/4		1/4	
1/2	1,289.20	1/2	1,057.57	1/2	825.94	1/2	594.31	1/2	362.67	1/2	131.04	1/2		1/2	1/2	1/2		1/2	
3/4	1,284.38	3/4	1,052.75	3/4	821.11	3/4	589.48	3/4	357.85	3/4	126.22	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2018 SW  
CALCULATED: 10/24/2018 CL  
VERIFIED: 11/20/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2023

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



# BARGE "AL 2301"

## 4 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	3,121.45	0	2,890.29	0	2,659.12	0	2,427.96	0	2,196.80	0	1,965.63	0	1,734.47		
1/4		1/4		1/4		1/4	3,116.63	1/4	2,885.47	1/4	2,654.31	1/4	2,423.14	1/4	2,191.98	1/4	1,960.82	1/4	1,729.66		
1/2		1/2		1/2		1/2	3,111.82	1/2	2,880.66	1/2	2,649.49	1/2	2,418.33	1/2	2,187.17	1/2	1,956.00	1/2	1,724.84		
3/4		3/4		3/4		3/4	3,107.00	3/4	2,875.84	3/4	2,644.68	3/4	2,413.51	3/4	2,182.35	3/4	1,951.19	3/4	1,720.02		
1		1		1		1	3,102.19	1	2,871.02	1	2,639.86	1	2,408.70	1	2,177.53	1	1,946.37	1	1,715.21		
1/4		1/4		1/4		1/4	3,097.37	1/4	2,866.21	1/4	2,635.04	1/4	2,403.88	1/4	2,172.72	1/4	1,941.55	1/4	1,710.39		
1/2		1/2		1/2		1/2	3,092.56	1/2	2,861.39	1/2	2,630.23	1/2	2,399.07	1/2	2,167.90	1/2	1,936.74	1/2	1,705.58		
3/4		3/4		3/4		3/4	3,087.74	3/4	2,856.58	3/4	2,625.41	3/4	2,394.25	3/4	2,163.09	3/4	1,931.92	3/4	1,700.76		
2		2		2		2	3,082.92	2	2,851.76	2	2,620.60	2	2,389.43	2	2,158.27	2	1,927.11	2	1,695.94		
1/4		1/4		1/4		1/4	3,078.11	1/4	2,846.94	1/4	2,615.78	1/4	2,384.62	1/4	2,153.45	1/4	1,922.29	1/4	1,691.13		
1/2		1/2		1/2		1/2	3,073.29	1/2	2,842.13	1/2	2,610.97	1/2	2,379.80	1/2	2,148.64	1/2	1,917.48	1/2	1,686.31		
3/4		3/4		3/4		3/4	3,068.48	3/4	2,837.31	3/4	2,606.15	3/4	2,374.99	3/4	2,143.82	3/4	1,912.66	3/4	1,681.50		
3		3		3		3	3,063.66	3	2,832.50	3	2,601.33	3	2,370.17	3	2,139.01	3	1,907.84	3	1,676.68		
1/4		1/4		1/4		1/4	3,058.84	1/4	2,827.68	1/4	2,596.52	1/4	2,365.35	1/4	2,134.19	1/4	1,903.03	1/4	1,671.86		
1/2		1/2		1/2		1/2	3,054.03	1/2	2,822.86	1/2	2,591.70	1/2	2,360.54	1/2	2,129.38	1/2	1,898.21	1/2	1,667.05		
3/4		3/4		3/4		3/4	3,049.21	3/4	2,818.05	3/4	2,586.89	3/4	2,355.72	3/4	2,124.56	3/4	1,893.40	3/4	1,662.23		
4		4		4		4	3,044.40	4	2,813.23	4	2,582.07	4	2,350.91	4	2,119.74	4	1,888.58	4	1,657.42		
1/4		1/4		1/4		1/4	3,039.58	1/4	2,808.42	1/4	2,577.25	1/4	2,346.09	1/4	2,114.93	1/4	1,883.76	1/4	1,652.60		
1/2		1/2		1/2		1/2	3,034.76	1/2	2,803.60	1/2	2,572.44	1/2	2,341.27	1/2	2,110.11	1/2	1,878.95	1/2	1,647.79		
3/4		3/4		3/4		3/4	3,029.95	3/4	2,798.79	3/4	2,567.62	3/4	2,336.46	3/4	2,105.30	3/4	1,874.13	3/4	1,642.97		
5		5		5		5	3,025.13	5	2,793.97	5	2,562.81	5	2,331.64	5	2,100.48	5	1,869.32	5	1,638.15		
1/4		1/4		1/4		1/4	3,020.32	1/4	2,789.15	1/4	2,557.99	1/4	2,326.83	1/4	2,095.66	1/4	1,864.50	1/4	1,633.34		
1/2		1/2		1/2		1/2	3,015.50	1/2	2,784.34	1/2	2,553.17	1/2	2,322.01	1/2	2,090.85	1/2	1,859.68	1/2	1,628.52		
3/4		3/4		3/4		3/4	3,010.68	3/4	2,779.52	3/4	2,548.36	3/4	2,317.20	3/4	2,086.03	3/4	1,854.87	3/4	1,623.71		
6		6		6		6	3,005.87	6	2,774.71	6	2,543.54	6	2,312.38	6	2,081.22	6	1,850.05	6	1,618.89		
1/4		1/4		1/4		1/4	3,001.05	1/4	2,769.89	1/4	2,538.73	1/4	2,307.56	1/4	2,076.40	1/4	1,845.24	1/4	1,614.07		
1/2		1/2		1/2		1/2	2,996.24	1/2	2,765.07	1/2	2,533.91	1/2	2,302.75	1/2	2,071.58	1/2	1,840.42	1/2	1,609.26		
3/4		3/4		3/4		3/4	3,220.19	3/4	2,991.42	3/4	2,760.26	3/4	2,529.09	3/4	2,297.93	3/4	2,066.77	3/4	1,835.61	3/4	1,604.44
7		7		7		7	3,215.97	7	2,986.61	7	2,755.44	7	2,524.28	7	2,293.12	7	2,061.95	7	1,830.79	7	1,599.63
1/4		1/4		1/4		1/4	3,211.76	1/4	2,981.79	1/4	2,750.63	1/4	2,519.46	1/4	2,288.30	1/4	2,057.14	1/4	1,825.97	1/4	1,594.81
1/2		1/2		1/2		1/2	3,207.54	1/2	2,976.97	1/2	2,745.81	1/2	2,514.65	1/2	2,283.48	1/2	2,052.32	1/2	1,821.16	1/2	1,589.99
3/4		3/4		3/4		3/4	3,203.32	3/4	2,972.16	3/4	2,740.99	3/4	2,509.83	3/4	2,278.67	3/4	2,047.50	3/4	1,816.34	3/4	1,585.18
8		8		8		8	3,198.50	8	2,967.34	8	2,736.18	8	2,505.02	8	2,273.85	8	2,042.69	8	1,811.53	8	1,580.36
1/4		1/4		1/4		1/4	3,193.69	1/4	2,962.53	1/4	2,731.36	1/4	2,500.20	1/4	2,269.04	1/4	2,037.87	1/4	1,806.71	1/4	1,575.55
1/2		1/2		1/2		1/2	3,188.87	1/2	2,957.71	1/2	2,726.55	1/2	2,495.38	1/2	2,264.22	1/2	2,033.06	1/2	1,801.89	1/2	1,570.73
3/4		3/4		3/4		3/4	3,184.06	3/4	2,952.89	3/4	2,721.73	3/4	2,490.57	3/4	2,259.40	3/4	2,028.24	3/4	1,797.08	3/4	1,565.91
9		9		9		9	3,179.24	9	2,948.08	9	2,716.91	9	2,485.75	9	2,254.59	9	2,023.43	9	1,792.26	9	1,561.10
1/4		1/4		1/4		1/4	3,174.43	1/4	2,943.26	1/4	2,712.10	1/4	2,480.94	1/4	2,249.77	1/4	2,018.61	1/4	1,787.45	1/4	1,556.28
1/2		1/2		1/2		1/2	3,169.61	1/2	2,938.45	1/2	2,707.28	1/2	2,476.12	1/2	2,244.96	1/2	2,013.79	1/2	1,782.63	1/2	1,551.47
3/4		3/4		3/4		3/4	3,164.79	3/4	2,933.63	3/4	2,702.47	3/4	2,471.30	3/4	2,240.14	3/4	2,008.98	3/4	1,777.81	3/4	1,546.65
10		10		10		10	3,159.98	10	2,928.81	10	2,697.65	10	2,466.49	10	2,235.32	10	2,004.16	10	1,773.00	10	1,541.84
1/4		1/4		1/4		1/4	3,155.16	1/4	2,924.00	1/4	2,692.84	1/4	2,461.67	1/4	2,230.51	1/4	1,999.35	1/4	1,768.18	1/4	1,537.02
1/2		1/2		1/2		1/2	3,150.35	1/2	2,919.18	1/2	2,688.02	1/2	2,456.86	1/2	2,225.69	1/2	1,994.53	1/2	1,763.37	1/2	1,532.20
3/4		3/4		3/4		3/4	3,145.53	3/4	2,914.37	3/4	2,683.20	3/4	2,452.04	3/4	2,220.88	3/4	1,989.71	3/4	1,758.55	3/4	1,527.39
11		11		11		11	3,140.71	11	2,909.55	11	2,678.39	11	2,447.22	11	2,216.06	11	1,984.90	11	1,753.73	11	1,522.57
1/4		1/4		1/4		1/4	3,135.90	1/4	2,904.74	1/4	2,673.57	1/4	2,442.41	1/4	2,211.25	1/4	1,980.08	1/4	1,748.92	1/4	1,517.76
1/2		1/2		1/2		1/2	3,131.08	1/2	2,899.92	1/2	2,668.76	1/2	2,437.59	1/2	2,206.43	1/2	1,975.27	1/2	1,744.10	1/2	1,512.94
3/4		3/4		3/4		3/4	3,126.27	3/4	2,895.10	3/4	2,663.94	3/4	2,432.78	3/4	2,201.61	3/4	1,970.45	3/4	1,739.29	3/4	1,508.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN 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 2301"

## 4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

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
	1,503.31		1,272.14		1,040.99		809.84		578.67		347.50		116.34						
1/4	1,498.49	1/4	1,267.33	1/4	1,036.17	1/4	805.02	1/4	573.85	1/4	342.68	1/4	111.53	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,493.68	1/2	1,262.51	1/2	1,031.36	1/2	800.20	1/2	569.04	1/2	337.87	1/2	106.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,488.86	3/4	1,257.70	3/4	1,026.54	3/4	795.39	3/4	564.22	3/4	333.05	3/4	101.91	3/4	3/4	3/4	3/4	3/4	3/4
1	1,484.04	1	1,252.88	1	1,021.73	1	790.57	1	559.40	1	328.24	1	97.10	1	1	1	1	1	1
1/4	1,479.23	1/4	1,248.07	1/4	1,016.92	1/4	785.76	1/4	554.59	1/4	323.42	1/4	92.30	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,474.41	1/2	1,243.25	1/2	1,012.10	1/2	780.94	1/2	549.77	1/2	318.60	1/2	87.49	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,469.60	3/4	1,238.43	3/4	1,007.29	3/4	776.12	3/4	544.96	3/4	313.79	3/4	82.69	3/4	3/4	3/4	3/4	3/4	3/4
2	1,464.78	2	1,233.62	2	1,002.48	2	771.31	2	540.14	2	308.97	2	77.89	2	2	2	2	2	2
1/4	1,459.96	1/4	1,228.80	1/4	997.66	1/4	766.49	1/4	535.32	1/4	304.16	1/4	73.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,455.15	1/2	1,223.99	1/2	992.84	1/2	761.68	1/2	530.51	1/2	299.34	1/2	68.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,450.33	3/4	1,219.17	3/4	988.03	3/4	756.86	3/4	525.69	3/4	294.52	3/4	63.51	3/4	3/4	3/4	3/4	3/4	3/4
3	1,445.52	3	1,214.35	3	983.21	3	752.04	3	520.88	3	289.71	3	58.73	3	3	3	3	3	3
1/4	1,440.70	1/4	1,209.54	1/4	978.40	1/4	747.23	1/4	516.06	1/4	284.89	1/4	53.96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,435.89	1/2	1,204.72	1/2	973.58	1/2	742.41	1/2	511.24	1/2	280.08	1/2	49.18	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,431.07	3/4	1,199.91	3/4	968.76	3/4	737.60	3/4	506.43	3/4	275.26	3/4	44.41	3/4	3/4	3/4	3/4	3/4	3/4
4	1,426.25	4	1,195.09	4	963.95	4	732.78	4	501.61	4	270.44	4	39.84	4	4	4	4	4	4
1/4	1,421.44	1/4	1,190.27	1/4	959.13	1/4	727.96	1/4	496.80	1/4	265.63	1/4	35.27	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,416.62	1/2	1,185.46	1/2	954.32	1/2	723.15	1/2	491.98	1/2	260.81	1/2	30.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,411.81	3/4	1,180.64	3/4	949.50	3/4	718.33	3/4	487.16	3/4	256.00	3/4	26.13	3/4	3/4	3/4	3/4	3/4	3/4
5	1,406.99	5	1,175.83	5	944.68	5	713.52	5	482.35	5	251.18	5	22.52	5	5	5	5	5	5
1/4	1,402.17	1/4	1,171.01	1/4	939.87	1/4	708.70	1/4	477.53	1/4	246.36	1/4	18.91	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,397.36	1/2	1,166.20	1/2	935.05	1/2	703.88	1/2	472.72	1/2	241.55	1/2	15.30	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,392.54	3/4	1,161.38	3/4	930.24	3/4	699.07	3/4	467.90	3/4	236.73	3/4	11.68	3/4	3/4	3/4	3/4	3/4	3/4
6	1,387.73	6	1,156.56	6	925.42	6	694.25	6	463.08	6	231.92	6		6	6	6	6	6	6
1/4	1,382.91	1/4	1,151.75	1/4	920.60	1/4	689.44	1/4	458.27	1/4	227.10	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,378.09	1/2	1,146.93	1/2	915.79	1/2	684.62	1/2	453.45	1/2	222.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,373.28	3/4	1,142.12	3/4	910.97	3/4	679.80	3/4	448.64	3/4	217.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	1,368.46	7	1,137.30	7	906.16	7	674.99	7	443.82	7	212.65	7		7	7	7	7	7	7
1/4	1,363.65	1/4	1,132.48	1/4	901.34	1/4	670.17	1/4	439.00	1/4	207.84	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,358.83	1/2	1,127.67	1/2	896.52	1/2	665.36	1/2	434.19	1/2	203.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,354.02	3/4	1,122.85	3/4	891.71	3/4	660.54	3/4	429.37	3/4	198.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	1,349.20	8	1,118.04	8	886.89	8	655.72	8	424.56	8	193.39	8		8	8	8	8	8	8
1/4	1,344.38	1/4	1,113.22	1/4	882.08	1/4	650.91	1/4	419.74	1/4	188.57	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,339.57	1/2	1,108.40	1/2	877.26	1/2	646.09	1/2	414.92	1/2	183.76	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,334.75	3/4	1,103.59	3/4	872.44	3/4	641.28	3/4	410.11	3/4	178.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	1,329.94	9	1,098.77	9	867.63	9	636.46	9	405.29	9	174.13	9		9	9	9	9	9	9
1/4	1,325.12	1/4	1,093.96	1/4	862.81	1/4	631.64	1/4	400.48	1/4	169.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,320.30	1/2	1,089.14	1/2	858.00	1/2	626.83	1/2	395.66	1/2	164.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,315.49	3/4	1,084.32	3/4	853.18	3/4	622.01	3/4	390.84	3/4	159.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,310.67	10	1,079.51	10	848.36	10	617.20	10	386.03	10	154.86	10		10	10	10	10	10	10
1/4	1,305.86	1/4	1,074.69	1/4	843.55	1/4	612.38	1/4	381.21	1/4	150.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,301.04	1/2	1,069.88	1/2	838.73	1/2	607.56	1/2	376.40	1/2	145.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,296.22	3/4	1,065.06	3/4	833.92	3/4	602.75	3/4	371.58	3/4	140.42	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,291.41	11	1,060.25	11	829.10	11	597.93	11	366.76	11	135.60	11		11	11	11	11	11	11
1/4	1,286.59	1/4	1,055.43	1/4	824.28	1/4	593.12	1/4	361.95	1/4	130.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,281.78	1/2	1,050.62	1/2	819.47	1/2	588.30	1/2	357.13	1/2	125.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,276.96	3/4	1,045.80	3/4	814.65	3/4	583.48	3/4	352.32	3/4	121.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2018 SW  
CALCULATED: 10/24/2018 CL  
VERIFIED: 11/20/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2023

PRECISION MEASUREMENT  
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