



# BARGE "KIRBY 13022B"

## ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
1 STBD	00-1/2	- 00-1/2	00-7/8	- 00-7/8	01-3/8	- 01-3/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-5/8	- 02-5/8
2 PORT	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-1/2	- 02-1/2	03-0/8	- 03-0/8
2 STBD	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-1/2	- 02-1/2	03-0/8	- 03-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-7/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 1/8"

LENGTH BETWEEN DRAFT MARKS: 135'-00"

April 1, 2024

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

<http://www.pmacorp.net>



# BARGE "KIRBY 13022B"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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
							3,645.10		3,410.54		3,155.77		2,887.92		2,617.08		2,346.24		2,075.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,641.37	1/4	3,405.37	1/4	3,150.31	1/4	2,882.28	1/4	2,611.44	1/4	2,340.60	1/4	2,069.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,637.65	1/2	3,400.19	1/2	3,144.85	1/2	2,876.64	1/2	2,605.80	1/2	2,334.96	1/2	2,064.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,633.92	3/4	3,395.02	3/4	3,139.38	3/4	2,870.99	3/4	2,600.15	3/4	2,329.31	3/4	2,058.39
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3,630.19</b>	<b>1</b>	<b>3,389.84</b>	<b>1</b>	<b>3,133.92</b>	<b>1</b>	<b>2,865.35</b>	<b>1</b>	<b>2,594.51</b>	<b>1</b>	<b>2,323.67</b>	<b>1</b>	<b>2,052.74</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,625.52	1/4	3,384.64	1/4	3,128.43	1/4	2,859.71	1/4	2,588.87	1/4	2,318.03	1/4	2,047.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,620.85	1/2	3,379.44	1/2	3,122.94	1/2	2,854.07	1/2	2,583.23	1/2	2,312.39	1/2	2,041.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,616.18	3/4	3,374.25	3/4	3,117.45	3/4	2,848.42	3/4	2,577.58	3/4	2,306.74	3/4	2,035.81
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3,611.51</b>	<b>2</b>	<b>3,369.05</b>	<b>2</b>	<b>3,111.96</b>	<b>2</b>	<b>2,842.78</b>	<b>2</b>	<b>2,571.94</b>	<b>2</b>	<b>2,301.10</b>	<b>2</b>	<b>2,030.16</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,606.60	1/4	3,363.82	1/4	3,106.45	1/4	2,837.14	1/4	2,566.30	1/4	2,295.46	1/4	2,024.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,601.70	1/2	3,358.60	1/2	3,100.94	1/2	2,831.50	1/2	2,560.66	1/2	2,289.82	1/2	2,018.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,596.80	3/4	3,353.38	3/4	3,095.42	3/4	2,825.85	3/4	2,555.01	3/4	2,284.17	3/4	2,013.22
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3,591.90</b>	<b>3</b>	<b>3,348.15</b>	<b>3</b>	<b>3,089.91</b>	<b>3</b>	<b>2,820.21</b>	<b>3</b>	<b>2,549.37</b>	<b>3</b>	<b>2,278.53</b>	<b>3</b>	<b>2,007.58</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,586.97	1/4	3,342.91	1/4	3,084.37	1/4	2,814.57	1/4	2,543.73	1/4	2,272.89	1/4	2,001.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,582.05	1/2	3,337.66	1/2	3,078.84	1/2	2,808.93	1/2	2,538.09	1/2	2,267.25	1/2	1,996.29
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,577.12	3/4	3,332.41	3/4	3,073.30	3/4	2,803.28	3/4	2,532.44	3/4	2,261.60	3/4	1,990.64
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>3,572.20</b>	<b>4</b>	<b>3,327.16</b>	<b>4</b>	<b>3,067.76</b>	<b>4</b>	<b>2,797.64</b>	<b>4</b>	<b>2,526.80</b>	<b>4</b>	<b>2,255.96</b>	<b>4</b>	<b>1,985.00</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,567.25	1/4	3,321.89	1/4	3,062.20	1/4	2,792.00	1/4	2,521.16	1/4	2,250.32	1/4	1,979.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,562.30	1/2	3,316.62	1/2	3,056.64	1/2	2,786.36	1/2	2,515.52	1/2	2,244.68	1/2	1,973.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,557.35	3/4	3,311.35	3/4	3,051.08	3/4	2,780.71	3/4	2,509.87	3/4	2,239.03	3/4	1,968.06
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>3,552.40</b>	<b>5</b>	<b>3,306.08</b>	<b>5</b>	<b>3,045.52</b>	<b>5</b>	<b>2,775.07</b>	<b>5</b>	<b>2,504.23</b>	<b>5</b>	<b>2,233.39</b>	<b>5</b>	<b>1,962.41</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,547.43	1/4	3,300.78	1/4	3,039.93	1/4	2,769.43	1/4	2,498.59	1/4	2,227.75	1/4	1,956.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,542.45	1/2	3,295.49	1/2	3,034.35	1/2	2,763.79	1/2	2,492.95	1/2	2,222.11	1/2	1,951.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,537.48	3/4	3,290.19	3/4	3,028.76	3/4	2,758.14	3/4	2,487.30	3/4	2,216.46	3/4	1,945.48
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>3,532.50</b>	<b>6</b>	<b>3,284.90</b>	<b>6</b>	<b>3,023.18</b>	<b>6</b>	<b>2,752.50</b>	<b>6</b>	<b>2,481.66</b>	<b>6</b>	<b>2,210.82</b>	<b>6</b>	<b>1,939.83</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,527.51	1/4	3,279.58	1/4	3,017.57	1/4	2,746.86	1/4	2,476.02	1/4	2,205.17	1/4	1,934.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,522.51	1/2	3,274.26	1/2	3,011.96	1/2	2,741.22	1/2	2,470.38	1/2	2,199.53	1/2	1,928.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,517.52	3/4	3,268.94	3/4	3,006.35	3/4	2,735.57	3/4	2,464.73	3/4	2,193.88	3/4	1,922.89
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>3,512.52</b>	<b>7</b>	<b>3,263.62</b>	<b>7</b>	<b>3,000.74</b>	<b>7</b>	<b>2,729.93</b>	<b>7</b>	<b>2,459.09</b>	<b>7</b>	<b>2,188.24</b>	<b>7</b>	<b>1,917.25</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,507.49	1/4	3,258.27	1/4	2,995.11	1/4	2,724.29	1/4	2,453.45	1/4	2,182.59	1/4	1,911.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,502.45	1/2	3,252.93	1/2	2,989.48	1/2	2,718.65	1/2	2,447.81	1/2	2,176.95	1/2	1,905.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,497.41	3/4	3,247.58	3/4	2,983.84	3/4	2,713.00	3/4	2,442.16	3/4	2,171.30	3/4	1,900.31
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>3,492.38</b>	<b>8</b>	<b>3,242.24</b>	<b>8</b>	<b>2,978.21</b>	<b>8</b>	<b>2,707.36</b>	<b>8</b>	<b>2,436.52</b>	<b>8</b>	<b>2,165.66</b>	<b>8</b>	<b>1,894.67</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,487.30	1/4	3,236.87	1/4	2,972.56	1/4	2,701.72	1/4	2,430.88	1/4	2,160.01	1/4	1,889.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,482.22	1/2	3,231.51	1/2	2,966.92	1/2	2,696.08	1/2	2,425.24	1/2	2,154.36	1/2	1,883.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,477.14	3/4	3,226.14	3/4	2,961.27	3/4	2,690.43	3/4	2,419.59	3/4	2,148.72	3/4	1,877.73
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>3,472.06</b>	<b>9</b>	<b>3,220.77</b>	<b>9</b>	<b>2,955.63</b>	<b>9</b>	<b>2,684.79</b>	<b>9</b>	<b>2,413.95</b>	<b>9</b>	<b>2,143.07</b>	<b>9</b>	<b>1,872.08</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,466.96	1/4	3,215.38	1/4	2,949.99	1/4	2,679.15	1/4	2,408.31	1/4	2,137.43	1/4	1,866.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,461.86	1/2	3,209.98	1/2	2,944.35	1/2	2,673.51	1/2	2,402.67	1/2	2,131.78	1/2	1,860.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,456.76	3/4	3,204.59	3/4	2,938.70	3/4	2,667.86	3/4	2,397.02	3/4	2,126.14	3/4	1,855.15
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>3,451.65</b>	<b>10</b>	<b>3,199.20</b>	<b>10</b>	<b>2,933.06</b>	<b>10</b>	<b>2,662.22</b>	<b>10</b>	<b>2,391.38</b>	<b>10</b>	<b>2,120.49</b>	<b>10</b>	<b>1,849.50</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,446.53	1/4	3,193.78	1/4	2,927.42	1/4	2,656.58	1/4	2,385.74	1/4	2,114.84	1/4	1,843.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,441.40	1/2	3,188.37	1/2	2,921.78	1/2	2,650.94	1/2	2,380.10	1/2	2,109.20	1/2	1,838.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,436.27	3/4	3,182.95	3/4	2,916.13	3/4	2,645.29	3/4	2,374.45	3/4	2,103.55	3/4	1,832.56
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>3,431.15</b>	<b>11</b>	<b>3,177.54</b>	<b>11</b>	<b>2,910.49</b>	<b>11</b>	<b>2,639.65</b>	<b>11</b>	<b>2,368.81</b>	<b>11</b>	<b>2,097.91</b>	<b>11</b>	<b>1,826.92</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,426.00	1/4	3,172.10	1/4	2,904.85	1/4	2,634.01	1/4	2,363.17	1/4	2,092.26	1/4	1,821.27
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,420.84	1/2	3,166.65	1/2	2,899.21	1/2	2,628.37	1/2	2,357.53	1/2	2,086.62	1/2	1,815.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,415.69	3/4	3,161.21	3/4	2,893.56	3/4	2,622.72	3/4	2,351.88	3/4	2,080.97	3/4	1,809.98

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 12'-09" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

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# BARGE "KIRBY 13022B"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	1,804.34	0	1,533.35	0	1,262.36	0	991.37	0	721.84	0	451.32	0	180.35	0		0		0	
1/4	1,798.69	1/4	1,527.70	1/4	1,256.71	1/4	985.72	1/4	716.24	1/4	445.68	1/4	174.71	1/4	1/4		1/4		1/4
1/2	1,793.05	1/2	1,522.06	1/2	1,251.07	1/2	980.08	1/2	710.64	1/2	440.03	1/2	169.07	1/2	1/2		1/2		1/2
3/4	1,787.40	3/4	1,516.41	3/4	1,245.42	3/4	974.43	3/4	705.04	3/4	434.39	3/4	163.43	3/4	3/4		3/4		3/4
1	1,781.75	1	1,510.77	1	1,239.78	1	968.79	1	699.43	1	428.74	1	157.79	1	1		1		1
1/4	1,776.11	1/4	1,505.12	1/4	1,234.13	1/4	963.14	1/4	693.83	1/4	423.10	1/4	152.16	1/4	1/4		1/4		1/4
1/2	1,770.46	1/2	1,499.47	1/2	1,228.49	1/2	957.50	1/2	688.22	1/2	417.45	1/2	146.53	1/2	1/2		1/2		1/2
3/4	1,764.82	3/4	1,493.83	3/4	1,222.84	3/4	951.85	3/4	682.62	3/4	411.80	3/4	140.90	3/4	3/4		3/4		3/4
2	1,759.17	2	1,488.18	2	1,217.19	2	946.21	2	677.01	2	406.16	2	135.27	2	2		2		2
1/4	1,753.53	1/4	1,482.54	1/4	1,211.55	1/4	940.56	1/4	671.40	1/4	400.51	1/4	129.65	1/4	1/4		1/4		1/4
1/2	1,747.88	1/2	1,476.89	1/2	1,205.90	1/2	934.91	1/2	665.78	1/2	394.87	1/2	124.03	1/2	1/2		1/2		1/2
3/4	1,742.24	3/4	1,471.25	3/4	1,200.26	3/4	929.27	3/4	660.17	3/4	389.22	3/4	118.41	3/4	3/4		3/4		3/4
3	1,736.59	3	1,465.60	3	1,194.61	3	923.62	3	654.56	3	383.58	3	112.79	3	3		3		3
1/4	1,730.94	1/4	1,459.96	1/4	1,188.97	1/4	918.00	1/4	648.91	1/4	377.93	1/4	107.19	1/4	1/4		1/4		1/4
1/2	1,725.30	1/2	1,454.31	1/2	1,183.32	1/2	912.38	1/2	643.27	1/2	372.29	1/2	101.58	1/2	1/2		1/2		1/2
3/4	1,719.65	3/4	1,448.66	3/4	1,177.68	3/4	906.76	3/4	637.62	3/4	366.64	3/4	95.98	3/4	3/4		3/4		3/4
4	1,714.01	4	1,443.02	4	1,172.03	4	901.13	4	631.98	4	361.00	4	90.37	4	4		4		4
1/4	1,708.36	1/4	1,437.37	1/4	1,166.38	1/4	895.52	1/4	626.33	1/4	355.35	1/4	84.79	1/4	1/4		1/4		1/4
1/2	1,702.72	1/2	1,431.73	1/2	1,160.74	1/2	889.90	1/2	620.68	1/2	349.71	1/2	79.21	1/2	1/2		1/2		1/2
3/4	1,697.07	3/4	1,426.08	3/4	1,155.09	3/4	884.29	3/4	615.04	3/4	344.06	3/4	73.63	3/4	3/4		3/4		3/4
5	1,691.42	5	1,420.44	5	1,149.45	5	878.68	5	609.39	5	338.41	5	68.05	5	5		5		5
1/4	1,685.78	1/4	1,414.79	1/4	1,143.80	1/4	873.08	1/4	603.75	1/4	332.77	1/4	62.50	1/4	1/4		1/4		1/4
1/2	1,680.13	1/2	1,409.14	1/2	1,138.16	1/2	867.47	1/2	598.10	1/2	327.12	1/2	56.96	1/2	1/2		1/2		1/2
3/4	1,674.49	3/4	1,403.50	3/4	1,132.51	3/4	861.87	3/4	592.46	3/4	321.48	3/4	51.41	3/4	3/4		3/4		3/4
6	1,668.84	6	1,397.85	6	1,126.86	6	856.27	6	586.81	6	315.83	6	45.87	6	6		6		6
1/4	1,663.20	1/4	1,392.21	1/4	1,121.22	1/4	850.67	1/4	581.17	1/4	310.19	1/4	40.93	1/4	1/4		1/4		1/4
1/2	1,657.55	1/2	1,386.56	1/2	1,115.57	1/2	845.07	1/2	575.52	1/2	304.54	1/2	36.00	1/2	1/2		1/2		1/2
3/4	1,651.91	3/4	1,380.92	3/4	1,109.93	3/4	839.47	3/4	569.88	3/4	298.90	3/4	31.07	3/4	3/4		3/4		3/4
7	1,646.26	7	1,375.27	7	1,104.28	7	833.87	7	564.23	7	293.25	7	26.13	7	7		7		7
1/4	1,640.61	1/4	1,369.63	1/4	1,098.64	1/4	828.26	1/4	558.59	1/4	287.61	1/4	22.61	1/4	1/4		1/4		1/4
1/2	1,634.97	1/2	1,363.98	1/2	1,092.99	1/2	822.66	1/2	552.94	1/2	281.96	1/2	19.08	1/2	1/2		1/2		1/2
3/4	1,629.32	3/4	1,358.33	3/4	1,087.35	3/4	817.06	3/4	547.29	3/4	276.32	3/4	15.55	3/4	3/4		3/4		3/4
8	1,623.68	8	1,352.69	8	1,081.70	8	811.46	8	541.65	8	270.67	8	12.02	8	8		8		8
1/4	1,618.03	1/4	1,347.04	1/4	1,076.05	1/4	805.86	1/4	536.00	1/4	265.02	1/4		1/4	1/4		1/4		1/4
1/2	1,612.39	1/2	1,341.40	1/2	1,070.41	1/2	800.26	1/2	530.36	1/2	259.38	1/2		1/2	1/2		1/2		1/2
3/4	1,606.74	3/4	1,335.75	3/4	1,064.76	3/4	794.66	3/4	524.71	3/4	253.73	3/4		3/4	3/4		3/4		3/4
9	1,601.10	9	1,330.11	9	1,059.12	9	789.06	9	519.07	9	248.09	9		9	9		9		9
1/4	1,595.45	1/4	1,324.46	1/4	1,053.47	1/4	783.45	1/4	513.42	1/4	242.44	1/4		1/4	1/4		1/4		1/4
1/2	1,589.80	1/2	1,318.82	1/2	1,047.83	1/2	777.85	1/2	507.78	1/2	236.80	1/2		1/2	1/2		1/2		1/2
3/4	1,584.16	3/4	1,313.17	3/4	1,042.18	3/4	772.25	3/4	502.13	3/4	231.15	3/4		3/4	3/4		3/4		3/4
10	1,578.51	10	1,307.52	10	1,036.54	10	766.65	10	496.49	10	225.51	10		10	10		10		10
1/4	1,572.87	1/4	1,301.88	1/4	1,030.89	1/4	761.05	1/4	490.84	1/4	219.86	1/4		1/4	1/4		1/4		1/4
1/2	1,567.22	1/2	1,296.23	1/2	1,025.24	1/2	755.45	1/2	485.19	1/2	214.21	1/2		1/2	1/2		1/2		1/2
3/4	1,561.58	3/4	1,290.59	3/4	1,019.60	3/4	749.85	3/4	479.55	3/4	208.57	3/4		3/4	3/4		3/4		3/4
11	1,555.93	11	1,284.94	11	1,013.95	11	744.25	11	473.90	11	202.92	11		11	11		11		11
1/4	1,550.28	1/4	1,279.30	1/4	1,008.31	1/4	738.64	1/4	468.26	1/4	197.28	1/4		1/4	1/4		1/4		1/4
1/2	1,544.64	1/2	1,273.65	1/2	1,002.66	1/2	733.04	1/2	462.61	1/2	191.64	1/2		1/2	1/2		1/2		1/2
3/4	1,538.99	3/4	1,268.00	3/4	997.02	3/4	727.44	3/4	456.97	3/4	185.99	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2009 CL - SW  
CALCULATED: 04/30/2009 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "KIRBY 13022B"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	3,646.00	0	3,406.25	0	3,149.61	0	2,880.21	0	2,608.35	0	2,336.49	0	2,064.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,642.26	1/4	3,401.06	1/4	3,144.13	1/4	2,874.55	1/4	2,602.69	1/4	2,330.83	1/4	2,059.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,637.58	1/2	3,395.84	1/2	3,138.62	1/2	2,868.89	1/2	2,597.02	1/2	2,325.16	1/2	2,053.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,632.90	3/4	3,390.62	3/4	3,133.11	3/4	2,863.22	3/4	2,591.36	3/4	2,319.50	3/4	2,047.73		
1		1		1		1	3,628.21	1	3,385.40	1	3,127.60	1	2,857.56	1	2,585.70	1	2,313.83	1	2,042.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,623.53	1/4	3,380.18	1/4	3,122.09	1/4	2,851.90	1/4	2,580.03	1/4	2,308.17	1/4	2,036.41		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,618.61	1/2	3,374.94	1/2	3,116.55	1/2	2,846.23	1/2	2,574.37	1/2	2,302.51	1/2	2,030.75		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,613.70	3/4	3,369.69	3/4	3,111.02	3/4	2,840.57	3/4	2,568.71	3/4	2,296.84	3/4	2,025.09		
2		2		2		2	3,608.78	2	3,364.45	2	3,105.49	2	2,834.90	2	2,563.04	2	2,291.18	2	2,019.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,603.87	1/4	3,359.20	1/4	3,099.95	1/4	2,829.24	1/4	2,557.38	1/4	2,285.52	1/4	2,013.76		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,598.93	1/2	3,353.93	1/2	3,094.39	1/2	2,823.58	1/2	2,551.71	1/2	2,279.85	1/2	2,008.10		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,593.99	3/4	3,348.67	3/4	3,088.84	3/4	2,817.91	3/4	2,546.05	3/4	2,274.19	3/4	2,002.44		
3		3		3		3	3,589.05	3	3,343.40	3	3,083.28	3	2,812.25	3	2,540.39	3	2,268.52	3	1,996.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,584.11	1/4	3,338.13	1/4	3,077.72	1/4	2,806.59	1/4	2,534.72	1/4	2,262.86	1/4	1,991.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,579.14	1/2	3,332.84	1/2	3,072.14	1/2	2,800.92	1/2	2,529.06	1/2	2,257.20	1/2	1,985.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,574.18	3/4	3,327.55	3/4	3,066.56	3/4	2,795.26	3/4	2,523.40	3/4	2,251.53	3/4	1,979.80		
4		4		4		4	3,569.22	4	3,322.25	4	3,060.97	4	2,789.59	4	2,517.73	4	2,245.87	4	1,974.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,564.25	1/4	3,316.96	1/4	3,055.39	1/4	2,783.93	1/4	2,512.07	1/4	2,240.21	1/4	1,968.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,559.26	1/2	3,311.64	1/2	3,049.79	1/2	2,778.27	1/2	2,506.40	1/2	2,234.54	1/2	1,962.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,554.28	3/4	3,306.33	3/4	3,044.18	3/4	2,772.60	3/4	2,500.74	3/4	2,228.88	3/4	1,957.16		
5		5		5		5	3,549.29	5	3,301.01	5	3,038.57	5	2,766.94	5	2,495.08	5	2,223.21	5	1,951.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,544.30	1/4	3,295.69	1/4	3,032.97	1/4	2,761.27	1/4	2,489.41	1/4	2,217.55	1/4	1,945.84		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,539.28	1/2	3,290.35	1/2	3,027.34	1/2	2,755.61	1/2	2,483.75	1/2	2,211.89	1/2	1,940.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,534.27	3/4	3,285.01	3/4	3,021.71	3/4	2,749.95	3/4	2,478.08	3/4	2,206.23	3/4	1,934.51		
6		6		6		6	3,529.25	6	3,279.67	6	3,016.08	6	2,744.28	6	2,472.42	6	2,200.57	6	1,928.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,524.24	1/4	3,274.33	1/4	3,010.45	1/4	2,738.62	1/4	2,466.76	1/4	2,194.91	1/4	1,923.19		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,519.18	1/2	3,268.97	1/2	3,004.79	1/2	2,732.96	1/2	2,461.09	1/2	2,189.25	1/2	1,917.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,514.12	3/4	3,263.60	3/4	2,999.14	3/4	2,727.29	3/4	2,455.43	3/4	2,183.59	3/4	1,911.87		
7		7		7		7	3,509.07	7	3,258.24	7	2,993.48	7	2,721.63	7	2,449.77	7	2,177.92	7	1,906.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,504.01	1/4	3,252.87	1/4	2,987.83	1/4	2,715.96	1/4	2,444.10	1/4	2,172.26	1/4	1,900.55		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,498.91	1/2	3,247.48	1/2	2,982.16	1/2	2,710.30	1/2	2,438.44	1/2	2,166.60	1/2	1,894.89		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,493.81	3/4	3,242.09	3/4	2,976.50	3/4	2,704.64	3/4	2,432.77	3/4	2,160.94	3/4	1,889.23		
8		8		8		8	3,488.71	8	3,236.71	8	2,970.84	8	2,698.97	8	2,427.11	8	2,155.28	8	1,883.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,483.61	1/4	3,231.32	1/4	2,965.17	1/4	2,693.31	1/4	2,421.45	1/4	2,149.62	1/4	1,877.91		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,478.49	1/2	3,225.90	1/2	2,959.51	1/2	2,687.65	1/2	2,415.78	1/2	2,143.96	1/2	1,872.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,473.37	3/4	3,220.49	3/4	2,953.84	3/4	2,681.98	3/4	2,410.12	3/4	2,138.30	3/4	1,866.59		
9		9		9		9	3,468.24	9	3,215.08	9	2,948.18	9	2,676.32	9	2,404.46	9	2,132.64	9	1,860.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,463.12	1/4	3,209.66	1/4	2,942.52	1/4	2,670.65	1/4	2,398.79	1/4	2,126.98	1/4	1,855.27		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,457.97	1/2	3,204.23	1/2	2,936.85	1/2	2,664.99	1/2	2,393.13	1/2	2,121.32	1/2	1,849.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,452.82	3/4	3,198.79	3/4	2,931.19	3/4	2,659.33	3/4	2,387.46	3/4	2,115.66	3/4	1,843.94		
10		10		10		10	3,447.68	10	3,193.35	10	2,925.52	10	2,653.66	10	2,381.80	10	2,110.00	10	1,838.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,442.53	1/4	3,187.92	1/4	2,919.86	1/4	2,648.00	1/4	2,376.14	1/4	2,104.34	1/4	1,832.62		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,437.36	1/2	3,182.45	1/2	2,914.20	1/2	2,642.33	1/2	2,370.47	1/2	2,098.68	1/2	1,826.96		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,432.19	3/4	3,176.99	3/4	2,908.53	3/4	2,636.67	3/4	2,364.81	3/4	2,093.01	3/4	1,821.30		
11		11		11		11	3,427.01	11	3,171.53	11	2,902.87	11	2,631.01	11	2,359.14	11	2,087.35	11	1,815.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,657.22	1/4	3,421.84	1/4	3,166.07	1/4	2,897.21	1/4	2,625.34	1/4	2,081.69	1/4	1,809.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,653.48	1/2	3,416.65	1/2	3,160.58	1/2	2,891.54	1/2	2,619.68	1/2	2,347.82	1/2	2,076.03	1/2	1,804.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,649.74	3/4	3,411.45	3/4	3,155.10	3/4	2,885.88	3/4	2,614.02	3/4	2,342.15	3/4	2,070.37	3/4	1,798.66

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 12'-09" OFF CENTERLINE AND 37'-06" 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 "KIRBY 13022B"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	1,793.00	0	1,521.28	0	1,249.57	0	977.86	0	707.05	0	435.55	0	163.87	0		0		0	
1/4	1,787.34	1/4	1,515.62	1/4	1,243.91	1/4	972.20	1/4	701.42	1/4	429.89	1/4	158.22	1/4	1/4		1/4	1/4	
1/2	1,781.68	1/2	1,509.96	1/2	1,238.25	1/2	966.54	1/2	695.78	1/2	424.23	1/2	152.57	1/2	1/2		1/2	1/2	
3/4	1,776.02	3/4	1,504.30	3/4	1,232.59	3/4	960.87	3/4	690.15	3/4	418.57	3/4	146.92	3/4	3/4		3/4	3/4	
1	1,770.35	1	1,498.64	1	1,226.93	1	955.21	1	684.51	1	412.91	1	141.28	1	1		1	1	
1/4	1,764.69	1/4	1,492.98	1/4	1,221.27	1/4	949.55	1/4	678.88	1/4	407.25	1/4	135.63	1/4	1/4		1/4	1/4	
1/2	1,759.03	1/2	1,487.32	1/2	1,215.61	1/2	943.89	1/2	673.23	1/2	401.58	1/2	130.00	1/2	1/2		1/2	1/2	
3/4	1,753.37	3/4	1,481.66	3/4	1,209.95	3/4	938.23	3/4	667.59	3/4	395.92	3/4	124.36	3/4	3/4		3/4	3/4	
2	1,747.71	2	1,476.00	2	1,204.28	2	932.57	2	661.95	2	390.26	2	118.73	2	2		2	2	
1/4	1,742.05	1/4	1,470.34	1/4	1,198.62	1/4	926.91	1/4	656.31	1/4	384.60	1/4	113.09	1/4	1/4		1/4	1/4	
1/2	1,736.39	1/2	1,464.68	1/2	1,192.96	1/2	921.25	1/2	650.65	1/2	378.94	1/2	107.47	1/2	1/2		1/2	1/2	
3/4	1,730.73	3/4	1,459.02	3/4	1,187.30	3/4	915.59	3/4	644.99	3/4	373.28	3/4	101.85	3/4	3/4		3/4	3/4	
3	1,725.07	3	1,453.36	3	1,181.64	3	909.93	3	639.33	3	367.62	3	96.23	3	3		3	3	
1/4	1,719.41	1/4	1,447.69	1/4	1,175.98	1/4	904.27	1/4	633.67	1/4	361.96	1/4	90.62	1/4	1/4		1/4	1/4	
1/2	1,713.75	1/2	1,442.03	1/2	1,170.32	1/2	898.62	1/2	628.00	1/2	356.30	1/2	85.02	1/2	1/2		1/2	1/2	
3/4	1,708.09	3/4	1,436.37	3/4	1,164.66	3/4	892.96	3/4	622.34	3/4	350.64	3/4	79.42	3/4	3/4		3/4	3/4	
4	1,702.43	4	1,430.71	4	1,159.00	4	887.31	4	616.68	4	344.98	4	73.83	4	4		4	4	
1/4	1,696.77	1/4	1,425.05	1/4	1,153.34	1/4	881.66	1/4	611.02	1/4	339.32	1/4	68.23	1/4	1/4		1/4	1/4	
1/2	1,691.10	1/2	1,419.39	1/2	1,147.68	1/2	876.02	1/2	605.36	1/2	333.66	1/2	62.67	1/2	1/2		1/2	1/2	
3/4	1,685.44	3/4	1,413.73	3/4	1,142.02	3/4	870.38	3/4	599.70	3/4	328.00	3/4	57.11	3/4	3/4		3/4	3/4	
5	1,679.78	5	1,408.07	5	1,136.36	5	864.74	5	594.04	5	322.34	5	51.55	5	5		5	5	
1/4	1,674.12	1/4	1,402.41	1/4	1,130.70	1/4	859.10	1/4	588.38	1/4	316.68	1/4	45.99	1/4	1/4		1/4	1/4	
1/2	1,668.46	1/2	1,396.75	1/2	1,125.03	1/2	853.46	1/2	582.72	1/2	311.02	1/2	41.04	1/2	1/2		1/2	1/2	
3/4	1,662.80	3/4	1,391.09	3/4	1,119.37	3/4	847.82	3/4	577.06	3/4	305.36	3/4	36.10	3/4	3/4		3/4	3/4	
6	1,657.14	6	1,385.43	6	1,113.71	6	842.18	6	571.40	6	299.70	6	31.15	6	6		6	6	
1/4	1,651.48	1/4	1,379.77	1/4	1,108.05	1/4	836.54	1/4	565.74	1/4	294.04	1/4	26.20	1/4	1/4		1/4	1/4	
1/2	1,645.82	1/2	1,374.11	1/2	1,102.39	1/2	830.91	1/2	560.08	1/2	288.37	1/2	22.66	1/2	1/2		1/2	1/2	
3/4	1,640.16	3/4	1,368.44	3/4	1,096.73	3/4	825.28	3/4	554.42	3/4	282.71	3/4	19.13	3/4	3/4		3/4	3/4	
7	1,634.50	7	1,362.78	7	1,091.07	7	819.65	7	548.76	7	277.05	7	15.59	7	7		7	7	
1/4	1,628.84	1/4	1,357.12	1/4	1,085.41	1/4	814.02	1/4	543.10	1/4	271.39	1/4	12.05	1/4	1/4		1/4	1/4	
1/2	1,623.18	1/2	1,351.46	1/2	1,079.75	1/2	808.39	1/2	537.44	1/2	265.73	1/2		1/2	1/2		1/2	1/2	
3/4	1,617.52	3/4	1,345.80	3/4	1,074.09	3/4	802.76	3/4	531.78	3/4	260.07	3/4		3/4	3/4		3/4	3/4	
8	1,611.85	8	1,340.14	8	1,068.43	8	797.13	8	526.12	8	254.41	8		8	8		8	8	
1/4	1,606.19	1/4	1,334.48	1/4	1,062.77	1/4	791.50	1/4	520.46	1/4	248.75	1/4		1/4	1/4		1/4	1/4	
1/2	1,600.53	1/2	1,328.82	1/2	1,057.11	1/2	785.87	1/2	514.79	1/2	243.09	1/2		1/2	1/2		1/2	1/2	
3/4	1,594.87	3/4	1,323.16	3/4	1,051.45	3/4	780.24	3/4	509.13	3/4	237.43	3/4		3/4	3/4		3/4	3/4	
9	1,589.21	9	1,317.50	9	1,045.78	9	774.61	9	503.47	9	231.77	9		9	9		9	9	
1/4	1,583.55	1/4	1,311.84	1/4	1,040.12	1/4	768.98	1/4	497.81	1/4	226.11	1/4		1/4	1/4		1/4	1/4	
1/2	1,577.89	1/2	1,306.18	1/2	1,034.46	1/2	763.35	1/2	492.15	1/2	220.45	1/2		1/2	1/2		1/2	1/2	
3/4	1,572.23	3/4	1,300.52	3/4	1,028.80	3/4	757.72	3/4	486.49	3/4	214.79	3/4		3/4	3/4		3/4	3/4	
10	1,566.57	10	1,294.86	10	1,023.14	10	752.09	10	480.83	10	209.13	10		10	10		10	10	
1/4	1,560.91	1/4	1,289.20	1/4	1,017.48	1/4	746.46	1/4	475.17	1/4	203.47	1/4		1/4	1/4		1/4	1/4	
1/2	1,555.25	1/2	1,283.53	1/2	1,011.82	1/2	740.83	1/2	469.51	1/2	197.81	1/2		1/2	1/2		1/2	1/2	
3/4	1,549.59	3/4	1,277.87	3/4	1,006.16	3/4	735.20	3/4	463.85	3/4	192.15	3/4		3/4	3/4		3/4	3/4	
11	1,543.93	11	1,272.21	11	1,000.50	11	729.57	11	458.19	11	186.49	11		11	11		11	11	
1/4	1,538.27	1/4	1,266.55	1/4	994.84	1/4	723.94	1/4	452.53	1/4	180.83	1/4		1/4	1/4		1/4	1/4	
1/2	1,532.61	1/2	1,260.89	1/2	989.18	1/2	718.31	1/2	446.87	1/2	175.18	1/2		1/2	1/2		1/2	1/2	
3/4	1,526.94	3/4	1,255.23	3/4	983.52	3/4	712.68	3/4	441.21	3/4	169.52	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2009 CL - SW  
CALCULATED: 04/30/2009 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "KIRBY 13022B"

## 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		0	3,098.46	0	2,908.25	0	2,705.16	0	2,499.58	0	2,278.53	0	2,006.04
1/4		1/4		1/4		1/4	3,269.66	1/4	3,094.65	1/4	2,904.15	1/4	2,700.88	1/4	2,495.30	1/4	2,272.86	1/4	2,000.37
1/2		1/2		1/2		1/2	3,266.35	1/2	3,090.81	1/2	2,900.02	1/2	2,696.60	1/2	2,491.02	1/2	2,267.18	1/2	1,994.69
3/4		3/4		3/4		3/4	3,263.04	3/4	3,086.98	3/4	2,895.90	3/4	2,692.31	3/4	2,486.74	3/4	2,261.51	3/4	1,989.01
1		1		1		1	3,259.73	1	3,083.14	1	2,891.77	1	2,688.03	1	2,482.45	1	2,255.83	1	1,983.33
1/4		1/4		1/4		1/4	3,256.42	1/4	3,079.31	1/4	2,887.64	1/4	2,683.75	1/4	2,478.17	1/4	2,250.16	1/4	1,977.65
1/2		1/2		1/2		1/2	3,252.88	1/2	3,075.45	1/2	2,883.49	1/2	2,679.47	1/2	2,473.89	1/2	2,244.48	1/2	1,971.97
3/4		3/4		3/4		3/4	3,249.33	3/4	3,071.59	3/4	2,879.34	3/4	2,675.18	3/4	2,469.60	3/4	2,238.81	3/4	1,966.30
2		2		2		2	3,245.79	2	3,067.73	2	2,875.19	2	2,670.90	2	2,465.32	2	2,233.13	2	1,960.62
1/4		1/4		1/4		1/4	3,242.24	1/4	3,063.87	1/4	2,871.04	1/4	2,666.62	1/4	2,461.04	1/4	2,227.46	1/4	1,954.94
1/2		1/2		1/2		1/2	3,238.68	1/2	3,059.99	1/2	2,866.86	1/2	2,662.33	1/2	2,456.76	1/2	2,221.78	1/2	1,949.26
3/4		3/4		3/4		3/4	3,235.11	3/4	3,056.11	3/4	2,862.68	3/4	2,658.05	3/4	2,452.47	3/4	2,216.11	3/4	1,943.58
3		3		3		3	3,231.54	3	3,052.22	3	2,858.51	3	2,653.77	3	2,448.19	3	2,210.43	3	1,937.90
1/4		1/4		1/4		1/4	3,227.97	1/4	3,048.34	1/4	2,854.33	1/4	2,649.49	1/4	2,443.91	1/4	2,204.76	1/4	1,932.23
1/2		1/2		1/2		1/2	3,224.38	1/2	3,044.43	1/2	2,850.13	1/2	2,645.20	1/2	2,439.62	1/2	2,199.08	1/2	1,926.55
3/4		3/4		3/4		3/4	3,220.78	3/4	3,040.53	3/4	2,845.93	3/4	2,640.92	3/4	2,435.34	3/4	2,193.41	3/4	1,920.87
4		4		4		4	3,217.19	4	3,036.62	4	2,841.73	4	2,636.64	4	2,431.06	4	2,187.73	4	1,915.19
1/4		1/4		1/4		1/4	3,213.60	1/4	3,032.71	1/4	2,837.53	1/4	2,632.35	1/4	2,426.77	1/4	2,182.06	1/4	1,909.51
1/2		1/2		1/2		1/2	3,209.98	1/2	3,028.78	1/2	2,833.31	1/2	2,628.07	1/2	2,422.49	1/2	2,176.38	1/2	1,903.84
3/4		3/4		3/4		3/4	3,206.36	3/4	3,024.85	3/4	2,829.08	3/4	2,623.79	3/4	2,418.21	3/4	2,170.71	3/4	1,898.16
5		5		5		5	3,202.75	5	3,020.91	5	2,824.86	5	2,619.51	5	2,413.93	5	2,165.03	5	1,892.48
1/4		1/4		1/4		1/4	3,199.13	1/4	3,016.98	1/4	2,820.63	1/4	2,615.22	1/4	2,409.64	1/4	2,159.36	1/4	1,886.80
1/2		1/2		1/2		1/2	3,195.49	1/2	3,013.03	1/2	2,816.38	1/2	2,610.94	1/2	2,405.36	1/2	2,153.68	1/2	1,881.12
3/4		3/4		3/4		3/4	3,191.85	3/4	3,009.07	3/4	2,812.13	3/4	2,606.66	3/4	2,401.08	3/4	2,148.00	3/4	1,875.44
6		6		6		6	3,188.21	6	3,005.11	6	2,807.88	6	2,602.37	6	2,396.79	6	2,142.32	6	1,869.77
1/4		1/4		1/4		1/4	3,184.57	1/4	3,001.16	1/4	2,803.63	1/4	2,598.09	1/4	2,392.51	1/4	2,136.64	1/4	1,864.09
1/2		1/2		1/2		1/2	3,180.90	1/2	2,997.18	1/2	2,799.36	1/2	2,593.81	1/2	2,388.23	1/2	2,130.96	1/2	1,858.41
3/4		3/4		3/4		3/4	3,177.22	3/4	2,993.19	3/4	2,795.09	3/4	2,589.52	3/4	2,383.95	3/4	2,125.29	3/4	1,852.73
7		7		7		7	3,173.55	7	2,989.21	7	2,790.81	7	2,585.24	7	2,379.66	7	2,119.61	7	1,847.05
1/4		1/4		1/4		1/4	3,169.87	1/4	2,985.23	1/4	2,786.54	1/4	2,580.96	1/4	2,375.38	1/4	2,113.93	1/4	1,841.38
1/2		1/2		1/2		1/2	3,166.16	1/2	2,981.23	1/2	2,782.26	1/2	2,576.68	1/2	2,371.10	1/2	2,108.25	1/2	1,835.70
3/4		3/4		3/4		3/4	3,162.45	3/4	2,977.22	3/4	2,777.97	3/4	2,572.39	3/4	2,366.81	3/4	2,102.57	3/4	1,830.02
8		8		8		8	3,158.73	8	2,973.22	8	2,773.69	8	2,568.11	8	2,362.53	8	2,096.90	8	1,824.34
1/4		1/4		1/4		1/4	3,155.02	1/4	2,969.21	1/4	2,769.41	1/4	2,563.83	1/4	2,358.25	1/4	2,091.22	1/4	1,818.66
1/2		1/2		1/2		1/2	3,151.29	1/2	2,965.18	1/2	2,765.12	1/2	2,559.54	1/2	2,353.97	1/2	2,085.54	1/2	1,812.98
3/4		3/4		3/4		3/4	3,147.55	3/4	2,961.15	3/4	2,760.84	3/4	2,555.26	3/4	2,349.68	3/4	2,079.86	3/4	1,807.31
9		9		9		9	3,143.81	9	2,957.12	9	2,756.56	9	2,550.98	9	2,345.40	9	2,074.18	9	1,801.63
1/4		1/4		1/4		1/4	3,140.07	1/4	2,953.09	1/4	2,752.28	1/4	2,546.70	1/4	2,341.12	1/4	2,068.50	1/4	1,795.95
1/2		1/2		1/2		1/2	3,136.31	1/2	2,949.04	1/2	2,747.99	1/2	2,542.41	1/2	2,335.40	1/2	2,062.83	1/2	1,790.27
3/4		3/4		3/4		3/4	3,132.55	3/4	2,944.99	3/4	2,743.71	3/4	2,538.13	3/4	2,329.69	3/4	2,057.15	3/4	1,784.59
10		10		10		10	3,128.79	10	2,940.93	10	2,739.43	10	2,533.85	10	2,323.97	10	2,051.47	10	1,778.92
1/4		1/4		1/4		1/4	3,125.03	1/4	2,936.88	1/4	2,735.14	1/4	2,529.56	1/4	2,318.26	1/4	2,045.79	1/4	1,773.24
1/2		1/2		1/2		1/2	3,121.24	1/2	2,932.80	1/2	2,730.86	1/2	2,525.28	1/2	2,312.58	1/2	2,040.11	1/2	1,767.56
3/4		3/4		3/4		3/4	3,117.46	3/4	2,928.72	3/4	2,726.58	3/4	2,521.00	3/4	2,306.91	3/4	2,034.43	3/4	1,761.88
11		11		11		11	3,113.67	11	2,924.64	11	2,722.29	11	2,516.72	11	2,301.23	11	2,028.76	11	1,756.20
1/4		1/4		1/4		1/4	3,109.89	1/4	2,920.56	1/4	2,718.01	1/4	2,512.43	1/4	2,295.56	1/4	2,023.08	1/4	1,750.52
1/2		1/2		1/2		1/2	3,106.08	1/2	2,916.46	1/2	2,713.73	1/2	2,508.15	1/2	2,289.88	1/2	2,017.40	1/2	1,744.85
3/4		3/4		3/4		3/4	3,102.27	3/4	2,912.36	3/4	2,709.45	3/4	2,503.87	3/4	2,284.21	3/4	2,011.72	3/4	1,739.17

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 12'-09" OFF CENTERLINE AND 38'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 13022B"

## 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	1,733.49	0	1,460.66	0	1,187.77	0	914.13	0	649.11	0	377.25	0	103.46	0		0		0	
1/4	1,727.81	1/4	1,454.95	1/4	1,182.09	1/4	908.43	1/4	643.63	1/4	371.54	1/4	97.77	1/4		1/4		1/4	
1/2	1,722.13	1/2	1,449.26	1/2	1,176.39	1/2	902.73	1/2	638.15	1/2	365.83	1/2	92.09	1/2		1/2		1/2	
3/4	1,716.46	3/4	1,443.57	3/4	1,170.68	3/4	897.03	3/4	632.67	3/4	360.13	3/4	86.41	3/4		3/4		3/4	
1	1,710.78	1	1,437.88	1	1,164.98	1	891.33	1	627.19	1	354.42	1	80.72	1		1		1	
1/4	1,705.10	1/4	1,432.19	1/4	1,159.28	1/4	885.62	1/4	621.71	1/4	348.72	1/4	75.04	1/4		1/4		1/4	
1/2	1,699.42	1/2	1,426.51	1/2	1,153.58	1/2	879.92	1/2	616.22	1/2	343.01	1/2	69.80	1/2		1/2		1/2	
3/4	1,693.74	3/4	1,420.82	3/4	1,147.88	3/4	874.22	3/4	610.73	3/4	337.31	3/4	64.56	3/4		3/4		3/4	
2	1,688.06	2	1,415.13	2	1,142.18	2	868.52	2	605.24	2	331.60	2	59.31	2		2		2	
1/4	1,682.39	1/4	1,409.44	1/4	1,136.48	1/4	862.82	1/4	599.75	1/4	325.89	1/4	54.07	1/4		1/4		1/4	
1/2	1,676.71	1/2	1,403.75	1/2	1,130.78	1/2	857.32	1/2	594.05	1/2	320.19	1/2	49.69	1/2		1/2		1/2	
3/4	1,671.03	3/4	1,398.06	3/4	1,125.07	3/4	851.83	3/4	588.34	3/4	314.48	3/4	45.32	3/4		3/4		3/4	
3	1,665.35	3	1,392.37	3	1,119.37	3	846.33	3	582.64	3	308.78	3	40.94	3		3		3	
1/4	1,659.67	1/4	1,386.68	1/4	1,113.67	1/4	840.83	1/4	576.93	1/4	303.07	1/4	36.56	1/4		1/4		1/4	
1/2	1,653.99	1/2	1,380.99	1/2	1,107.97	1/2	835.35	1/2	571.23	1/2	297.37	1/2	33.07	1/2		1/2		1/2	
3/4	1,648.32	3/4	1,375.30	3/4	1,102.27	3/4	829.86	3/4	565.53	3/4	291.66	3/4	29.57	3/4		3/4		3/4	
4	1,642.64	4	1,369.62	4	1,096.57	4	824.37	4	559.82	4	285.96	4	26.07	4		4		4	
1/4	1,636.96	1/4	1,363.93	1/4	1,090.87	1/4	818.88	1/4	554.12	1/4	280.25	1/4	22.58	1/4		1/4		1/4	
1/2	1,631.28	1/2	1,358.24	1/2	1,085.17	1/2	813.41	1/2	548.41	1/2	274.54	1/2	19.96	1/2		1/2		1/2	
3/4	1,625.60	3/4	1,352.55	3/4	1,079.47	3/4	807.93	3/4	542.71	3/4	268.84	3/4	17.35	3/4		3/4		3/4	
5	1,619.93	5	1,346.86	5	1,073.76	5	802.45	5	537.00	5	263.13	5	14.74	5		5		5	
1/4	1,614.25	1/4	1,341.17	1/4	1,068.06	1/4	796.98	1/4	531.30	1/4	257.43	1/4	12.12	1/4		1/4		1/4	
1/2	1,608.57	1/2	1,335.49	1/2	1,062.36	1/2	791.50	1/2	525.59	1/2	251.72	1/2		1/2		1/2		1/2	
3/4	1,602.89	3/4	1,329.81	3/4	1,056.66	3/4	786.03	3/4	519.89	3/4	246.02	3/4		3/4		3/4		3/4	
6	1,597.21	6	1,324.13	6	1,050.96	6	780.55	6	514.18	6	240.31	6		6		6		6	
1/4	1,591.53	1/4	1,318.45	1/4	1,045.26	1/4	775.07	1/4	508.47	1/4	234.61	1/4		1/4		1/4		1/4	
1/2	1,585.86	1/2	1,312.76	1/2	1,039.56	1/2	769.60	1/2	502.77	1/2	228.90	1/2		1/2		1/2		1/2	
3/4	1,580.18	3/4	1,307.08	3/4	1,033.86	3/4	764.12	3/4	497.06	3/4	223.19	3/4		3/4		3/4		3/4	
7	1,574.50	7	1,301.40	7	1,028.15	7	758.64	7	491.36	7	217.49	7		7		7		7	
1/4	1,568.82	1/4	1,295.72	1/4	1,022.45	1/4	753.17	1/4	485.65	1/4	211.78	1/4		1/4		1/4		1/4	
1/2	1,563.14	1/2	1,290.04	1/2	1,016.75	1/2	747.69	1/2	479.95	1/2	206.08	1/2		1/2		1/2		1/2	
3/4	1,557.47	3/4	1,284.36	3/4	1,011.05	3/4	742.21	3/4	474.24	3/4	200.37	3/4		3/4		3/4		3/4	
8	1,551.79	8	1,278.67	8	1,005.35	8	736.74	8	468.53	8	194.67	8		8		8		8	
1/4	1,546.11	1/4	1,272.99	1/4	999.65	1/4	731.26	1/4	462.83	1/4	188.96	1/4		1/4		1/4		1/4	
1/2	1,540.43	1/2	1,267.31	1/2	993.95	1/2	725.78	1/2	457.12	1/2	183.25	1/2		1/2		1/2		1/2	
3/4	1,534.75	3/4	1,261.63	3/4	988.25	3/4	720.31	3/4	451.42	3/4	177.55	3/4		3/4		3/4		3/4	
9	1,529.07	9	1,255.95	9	982.54	9	714.83	9	445.71	9	171.84	9		9		9		9	
1/4	1,523.40	1/4	1,250.27	1/4	976.84	1/4	709.35	1/4	440.01	1/4	166.14	1/4		1/4		1/4		1/4	
1/2	1,517.71	1/2	1,244.58	1/2	971.14	1/2	703.88	1/2	434.30	1/2	160.43	1/2		1/2		1/2		1/2	
3/4	1,512.02	3/4	1,238.90	3/4	965.44	3/4	698.40	3/4	428.60	3/4	154.73	3/4		3/4		3/4		3/4	
10	1,506.33	10	1,233.22	10	959.74	10	692.92	10	422.89	10	149.02	10		10		10		10	
1/4	1,500.65	1/4	1,227.54	1/4	954.04	1/4	687.45	1/4	417.18	1/4	143.31	1/4		1/4		1/4		1/4	
1/2	1,494.93	1/2	1,221.86	1/2	948.34	1/2	681.97	1/2	411.48	1/2	137.62	1/2		1/2		1/2		1/2	
3/4	1,489.22	3/4	1,216.18	3/4	942.64	3/4	676.49	3/4	405.77	3/4	131.92	3/4		3/4		3/4		3/4	
11	1,483.51	11	1,210.49	11	936.94	11	671.02	11	400.07	11	126.23	11		11		11		11	
1/4	1,477.80	1/4	1,204.81	1/4	931.23	1/4	665.54	1/4	394.36	1/4	120.53	1/4		1/4		1/4		1/4	
1/2	1,472.09	1/2	1,199.13	1/2	925.53	1/2	660.06	1/2	388.66	1/2	114.84	1/2		1/2		1/2		1/2	
3/4	1,466.37	3/4	1,193.45	3/4	919.83	3/4	654.59	3/4	382.95	3/4	109.15	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2009 CL - SW  
CALCULATED: 04/30/2009 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "KIRBY 13022B"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	3,295.65	0	3,119.99	0	2,928.83	0	2,724.87	0	2,518.61	0	2,295.36	0	2,021.43
1/4		1/4		1/4		1/4	3,292.33	1/4	3,116.15	1/4	2,924.69	1/4	2,720.57	1/4	2,514.31	1/4	2,289.65	1/4	2,015.72
1/2		1/2		1/2		1/2	3,289.01	1/2	3,112.30	1/2	2,920.54	1/2	2,716.28	1/2	2,510.02	1/2	2,283.95	1/2	2,010.01
3/4		3/4		3/4		3/4	3,285.69	3/4	3,108.45	3/4	2,916.40	3/4	2,711.98	3/4	2,505.72	3/4	2,278.24	3/4	2,004.30
1		1		1		1	3,282.37	1	3,104.60	1	2,912.26	1	2,707.68	1	2,501.42	1	2,272.54	1	1,998.60
1/4		1/4		1/4		1/4	3,278.82	1/4	3,100.73	1/4	2,908.10	1/4	2,703.39	1/4	2,497.13	1/4	2,266.83	1/4	1,992.89
1/2		1/2		1/2		1/2	3,275.26	1/2	3,096.86	1/2	2,903.93	1/2	2,699.09	1/2	2,492.83	1/2	2,261.13	1/2	1,987.18
3/4		3/4		3/4		3/4	3,271.70	3/4	3,092.98	3/4	2,899.76	3/4	2,694.79	3/4	2,488.53	3/4	2,255.42	3/4	1,981.47
2		2		2		2	3,268.14	2	3,073.11	2	2,895.60	2	2,690.50	2	2,484.23	2	2,249.72	2	1,975.76
1/4		1/4		1/4		1/4	3,264.56	1/4	3,085.21	1/4	2,891.41	1/4	2,686.20	1/4	2,479.94	1/4	2,244.01	1/4	1,970.05
1/2		1/2		1/2		1/2	3,260.98	1/2	3,081.32	1/2	2,887.22	1/2	2,681.90	1/2	2,475.64	1/2	2,238.31	1/2	1,964.35
3/4		3/4		3/4		3/4	3,257.40	3/4	3,077.42	3/4	2,883.03	3/4	2,677.60	3/4	2,471.34	3/4	2,232.60	3/4	1,958.64
3		3		3		3	3,253.81	3	3,073.52	3	2,878.84	3	2,673.31	3	2,467.05	3	2,226.90	3	1,952.93
1/4		1/4		1/4		1/4	3,250.21	1/4	3,069.60	1/4	2,874.62	1/4	2,669.01	1/4	2,462.75	1/4	2,221.19	1/4	1,947.22
1/2		1/2		1/2		1/2	3,246.60	1/2	3,065.68	1/2	2,870.41	1/2	2,664.71	1/2	2,458.45	1/2	2,215.49	1/2	1,941.51
3/4		3/4		3/4		3/4	3,242.99	3/4	3,061.76	3/4	2,866.19	3/4	2,660.42	3/4	2,454.15	3/4	2,209.78	3/4	1,935.81
4		4		4		4	3,239.39	4	3,057.83	4	2,861.98	4	2,656.12	4	2,449.86	4	2,204.08	4	1,930.10
1/4		1/4		1/4		1/4	3,235.76	1/4	3,053.89	1/4	2,857.74	1/4	2,651.82	1/4	2,445.56	1/4	2,198.37	1/4	1,924.39
1/2		1/2		1/2		1/2	3,232.13	1/2	3,049.94	1/2	2,853.50	1/2	2,647.52	1/2	2,441.26	1/2	2,192.67	1/2	1,918.68
3/4		3/4		3/4		3/4	3,228.49	3/4	3,046.00	3/4	2,849.26	3/4	2,643.23	3/4	2,436.97	3/4	2,186.96	3/4	1,912.97
5		5		5		5	3,224.86	5	3,042.05	5	2,845.02	5	2,638.93	5	2,432.67	5	2,181.26	5	1,907.26
1/4		1/4		1/4		1/4	3,221.21	1/4	3,038.08	1/4	2,840.76	1/4	2,634.63	1/4	2,428.37	1/4	2,175.55	1/4	1,901.56
1/2		1/2		1/2		1/2	3,217.56	1/2	3,034.11	1/2	2,836.50	1/2	2,630.34	1/2	2,424.08	1/2	2,169.84	1/2	1,895.85
3/4		3/4		3/4		3/4	3,213.91	3/4	3,030.14	3/4	2,832.23	3/4	2,626.04	3/4	2,419.78	3/4	2,164.13	3/4	1,890.14
6		6		6		6	3,210.25	6	3,026.17	6	2,827.97	6	2,621.74	6	2,415.48	6	2,158.43	6	1,884.43
1/4		1/4		1/4		1/4	3,206.56	1/4	3,022.17	1/4	2,823.68	1/4	2,617.44	1/4	2,411.18	1/4	2,152.72	1/4	1,878.72
1/2		1/2		1/2		1/2	3,202.87	1/2	3,018.18	1/2	2,819.39	1/2	2,613.15	1/2	2,406.89	1/2	2,147.01	1/2	1,873.02
3/4		3/4		3/4		3/4	3,199.19	3/4	3,014.18	3/4	2,815.10	3/4	2,608.85	3/4	2,402.59	3/4	2,141.30	3/4	1,867.31
7		7		7		7	3,195.50	7	3,010.19	7	2,810.81	7	2,604.55	7	2,398.29	7	2,135.59	7	1,861.60
1/4		1/4		1/4		1/4	3,191.77	1/4	3,006.17	1/4	2,806.52	1/4	2,600.26	1/4	2,394.00	1/4	2,129.88	1/4	1,855.89
1/2		1/2		1/2		1/2	3,188.04	1/2	3,002.15	1/2	2,802.22	1/2	2,595.96	1/2	2,389.70	1/2	2,124.18	1/2	1,850.18
3/4		3/4		3/4		3/4	3,184.32	3/4	2,998.13	3/4	2,797.92	3/4	2,591.66	3/4	2,385.40	3/4	2,118.47	3/4	1,844.47
8		8		8		8	3,180.59	8	2,994.11	8	2,793.63	8	2,587.36	8	2,381.10	8	2,112.76	8	1,838.77
1/4		1/4		1/4		1/4	3,176.84	1/4	2,990.07	1/4	2,789.33	1/4	2,583.07	1/4	2,376.81	1/4	2,107.05	1/4	1,833.06
1/2		1/2		1/2		1/2	3,173.09	1/2	2,986.03	1/2	2,785.03	1/2	2,578.77	1/2	2,372.51	1/2	2,101.34	1/2	1,827.35
3/4		3/4		3/4		3/4	3,169.34	3/4	2,981.98	3/4	2,780.73	3/4	2,574.47	3/4	2,368.21	3/4	2,095.64	3/4	1,821.64
9		9		9		9	3,165.59	9	2,977.94	9	2,776.44	9	2,570.18	9	2,363.92	9	2,089.93	9	1,815.93
1/4		1/4		1/4		1/4	3,161.81	1/4	2,973.87	1/4	2,772.14	1/4	2,565.88	1/4	2,358.19	1/4	2,084.22	1/4	1,810.23
1/2		1/2		1/2		1/2	3,158.04	1/2	2,969.80	1/2	2,767.84	1/2	2,561.58	1/2	2,352.46	1/2	2,078.51	1/2	1,804.52
3/4		3/4		3/4		3/4	3,154.26	3/4	2,965.73	3/4	2,763.55	3/4	2,557.29	3/4	2,346.73	3/4	2,072.80	3/4	1,798.81
10		10		10		10	3,150.49	10	2,961.67	10	2,759.25	10	2,552.99	10	2,341.00	10	2,067.09	10	1,793.10
1/4		1/4		1/4		1/4	3,146.69	1/4	2,957.57	1/4	2,754.95	1/4	2,548.69	1/4	2,335.29	1/4	2,061.39	1/4	1,787.39
1/2		1/2		1/2		1/2	3,142.89	1/2	2,953.48	1/2	2,750.65	1/2	2,544.39	1/2	2,329.59	1/2	2,055.68	1/2	1,781.68
3/4		3/4		3/4		3/4	3,139.09	3/4	2,949.39	3/4	2,746.36	3/4	2,540.10	3/4	2,323.88	3/4	2,049.97	3/4	1,775.98
11		11		11		11	3,135.29	11	2,945.30	11	2,742.06	11	2,535.80	11	2,318.18	11	2,044.26	11	1,770.27
1/4		1/4		1/4		1/4	3,131.47	1/4	2,941.18	1/4	2,737.76	1/4	2,531.50	1/4	2,312.47	1/4	2,038.55	1/4	1,764.56
1/2		1/2		1/2		1/2	3,127.64	1/2	2,937.06	1/2	2,733.47	1/2	2,527.21	1/2	2,306.77	1/2	2,032.84	1/2	1,758.85
3/4		3/4		3/4		3/4	3,123.82	3/4	2,932.94	3/4	2,729.17	3/4	2,522.91	3/4	2,301.06	3/4	2,027.14	3/4	1,753.14

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 12'-09" OFF CENTERLINE AND 38'-06" 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 "KIRBY 13022B"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	IN	0
	1,747.43		1,473.24		1,198.04		922.84		648.58		373.57		98.42								
1/4	1,741.73	1/4	1,467.51	1/4	1,192.31	1/4	917.11	1/4	642.87	1/4	367.84	1/4	92.70	1/4		1/4		1/4		1/4	
1/2	1,736.02	1/2	1,461.77	1/2	1,186.58	1/2	911.38	1/2	637.17	1/2	362.10	1/2	86.98	1/2		1/2		1/2		1/2	
3/4	1,730.31	3/4	1,456.04	3/4	1,180.84	3/4	905.64	3/4	631.46	3/4	356.37	3/4	81.26	3/4		3/4		3/4		3/4	
<b>1</b>	<b>1,724.60</b>	<b>1</b>	<b>1,450.31</b>	<b>1</b>	<b>1,175.11</b>	<b>1</b>	<b>899.91</b>	<b>1</b>	<b>625.75</b>	<b>1</b>	<b>350.64</b>	<b>1</b>	<b>75.55</b>	<b>1</b>		<b>1</b>		<b>1</b>		<b>1</b>	
1/4	1,718.89	1/4	1,444.57	1/4	1,169.38	1/4	894.18	1/4	620.04	1/4	344.91	1/4	70.27	1/4		1/4		1/4		1/4	
1/2	1,713.19	1/2	1,438.84	1/2	1,163.64	1/2	888.44	1/2	614.32	1/2	339.17	1/2	64.99	1/2		1/2		1/2		1/2	
3/4	1,707.48	3/4	1,433.11	3/4	1,157.91	3/4	882.71	3/4	608.61	3/4	333.44	3/4	59.71	3/4		3/4		3/4		3/4	
<b>2</b>	<b>1,701.77</b>	<b>2</b>	<b>1,427.37</b>	<b>2</b>	<b>1,152.18</b>	<b>2</b>	<b>876.98</b>	<b>2</b>	<b>602.89</b>	<b>2</b>	<b>327.71</b>	<b>2</b>	<b>54.43</b>	<b>2</b>		<b>2</b>		<b>2</b>		<b>2</b>	
1/4	1,696.06	1/4	1,421.64	1/4	1,146.44	1/4	871.24	1/4	597.16	1/4	321.97	1/4	50.03	1/4		1/4		1/4		1/4	
1/2	1,690.35	1/2	1,415.91	1/2	1,140.71	1/2	865.51	1/2	591.42	1/2	316.24	1/2	45.63	1/2		1/2		1/2		1/2	
3/4	1,684.64	3/4	1,410.17	3/4	1,134.98	3/4	859.78	3/4	585.69	3/4	310.51	3/4	41.22	3/4		3/4		3/4		3/4	
<b>3</b>	<b>1,678.94</b>	<b>3</b>	<b>1,404.44</b>	<b>3</b>	<b>1,129.24</b>	<b>3</b>	<b>854.04</b>	<b>3</b>	<b>579.96</b>	<b>3</b>	<b>304.77</b>	<b>3</b>	<b>36.82</b>	<b>3</b>		<b>3</b>		<b>3</b>		<b>3</b>	
1/4	1,673.23	1/4	1,398.71	1/4	1,123.51	1/4	848.32	1/4	574.23	1/4	299.04	1/4	33.30	1/4		1/4		1/4		1/4	
1/2	1,667.52	1/2	1,392.97	1/2	1,117.78	1/2	842.59	1/2	568.49	1/2	293.31	1/2	29.78	1/2		1/2		1/2		1/2	
3/4	1,661.81	3/4	1,387.24	3/4	1,112.04	3/4	836.87	3/4	562.76	3/4	287.58	3/4	26.26	3/4		3/4		3/4		3/4	
<b>4</b>	<b>1,656.10</b>	<b>4</b>	<b>1,381.51</b>	<b>4</b>	<b>1,106.31</b>	<b>4</b>	<b>831.14</b>	<b>4</b>	<b>557.03</b>	<b>4</b>	<b>281.84</b>	<b>4</b>	<b>22.73</b>	<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>	
1/4	1,650.40	1/4	1,375.77	1/4	1,100.58	1/4	825.43	1/4	551.29	1/4	276.11	1/4	20.11	1/4		1/4		1/4		1/4	
1/2	1,644.69	1/2	1,370.04	1/2	1,094.84	1/2	819.72	1/2	545.56	1/2	270.38	1/2	17.48	1/2		1/2		1/2		1/2	
3/4	1,638.98	3/4	1,364.31	3/4	1,089.11	3/4	814.01	3/4	539.83	3/4	264.64	3/4	14.85	3/4		3/4		3/4		3/4	
<b>5</b>	<b>1,633.27</b>	<b>5</b>	<b>1,358.57</b>	<b>5</b>	<b>1,083.38</b>	<b>5</b>	<b>808.30</b>	<b>5</b>	<b>534.09</b>	<b>5</b>	<b>258.91</b>	<b>5</b>	<b>12.23</b>	<b>5</b>		<b>5</b>		<b>5</b>		<b>5</b>	
1/4	1,627.56	1/4	1,352.84	1/4	1,077.64	1/4	802.59	1/4	528.36	1/4	253.18	1/4		1/4		1/4		1/4		1/4	
1/2	1,621.85	1/2	1,347.11	1/2	1,071.91	1/2	796.87	1/2	522.63	1/2	247.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,616.15	3/4	1,341.37	3/4	1,066.18	3/4	791.16	3/4	516.90	3/4	241.71	3/4		3/4		3/4		3/4		3/4	
<b>6</b>	<b>1,610.44</b>	<b>6</b>	<b>1,335.64</b>	<b>6</b>	<b>1,060.44</b>	<b>6</b>	<b>785.45</b>	<b>6</b>	<b>511.16</b>	<b>6</b>	<b>235.98</b>	<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>		<b>6</b>	
1/4	1,604.73	1/4	1,329.91	1/4	1,054.71	1/4	779.75	1/4	505.43	1/4	230.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,599.02	1/2	1,324.17	1/2	1,048.98	1/2	774.05	1/2	499.70	1/2	224.51	1/2		1/2		1/2		1/2		1/2	
3/4	1,593.31	3/4	1,318.44	3/4	1,043.24	3/4	768.34	3/4	493.96	3/4	218.78	3/4		3/4		3/4		3/4		3/4	
<b>7</b>	<b>1,587.61</b>	<b>7</b>	<b>1,312.71</b>	<b>7</b>	<b>1,037.51</b>	<b>7</b>	<b>762.64</b>	<b>7</b>	<b>488.23</b>	<b>7</b>	<b>213.05</b>	<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>		<b>7</b>	
1/4	1,581.90	1/4	1,306.97	1/4	1,031.78	1/4	756.94	1/4	482.50	1/4	207.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,576.19	1/2	1,301.24	1/2	1,026.04	1/2	751.23	1/2	476.76	1/2	201.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,570.48	3/4	1,295.51	3/4	1,020.31	3/4	745.53	3/4	471.03	3/4	195.85	3/4		3/4		3/4		3/4		3/4	
<b>8</b>	<b>1,564.77</b>	<b>8</b>	<b>1,289.77</b>	<b>8</b>	<b>1,014.58</b>	<b>8</b>	<b>739.83</b>	<b>8</b>	<b>465.30</b>	<b>8</b>	<b>190.11</b>	<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>		<b>8</b>	
1/4	1,559.06	1/4	1,284.04	1/4	1,008.84	1/4	734.13	1/4	459.57	1/4	184.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,553.36	1/2	1,278.31	1/2	1,003.11	1/2	728.42	1/2	453.83	1/2	178.65	1/2		1/2		1/2		1/2		1/2	
3/4	1,547.65	3/4	1,272.57	3/4	997.38	3/4	722.72	3/4	448.10	3/4	172.92	3/4		3/4		3/4		3/4		3/4	
<b>9</b>	<b>1,541.94</b>	<b>9</b>	<b>1,266.84</b>	<b>9</b>	<b>991.64</b>	<b>9</b>	<b>717.02</b>	<b>9</b>	<b>442.37</b>	<b>9</b>	<b>167.18</b>	<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>		<b>9</b>	
1/4	1,536.23	1/4	1,261.11	1/4	985.91	1/4	711.31	1/4	436.63	1/4	161.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,530.52	1/2	1,255.38	1/2	980.18	1/2	705.61	1/2	430.90	1/2	155.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,524.82	3/4	1,249.64	3/4	974.44	3/4	699.91	3/4	425.17	3/4	149.98	3/4		3/4		3/4		3/4		3/4	
<b>10</b>	<b>1,519.11</b>	<b>10</b>	<b>1,243.91</b>	<b>10</b>	<b>968.71</b>	<b>10</b>	<b>694.20</b>	<b>10</b>	<b>419.43</b>	<b>10</b>	<b>144.25</b>	<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>		<b>10</b>	
1/4	1,513.37	1/4	1,238.18	1/4	962.98	1/4	688.50	1/4	413.70	1/4	138.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,507.64	1/2	1,232.44	1/2	957.24	1/2	682.80	1/2	407.97	1/2	132.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,501.91	3/4	1,226.71	3/4	951.51	3/4	677.10	3/4	402.24	3/4	127.05	3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>1,496.17</b>	<b>11</b>	<b>1,220.98</b>	<b>11</b>	<b>945.78</b>	<b>11</b>	<b>671.39</b>	<b>11</b>	<b>396.50</b>	<b>11</b>	<b>121.32</b>	<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>		<b>11</b>	
1/4	1,490.44	1/4	1,215.24	1/4	940.04	1/4	665.69	1/4	390.77	1/4	115.60	1/4		1/4		1/4		1/4		1/4	
1/2	1,484.71	1/2	1,209.51	1/2	934.31	1/2	659.99	1/2	385.04	1/2	109.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,478.97	3/4	1,203.78	3/4	928.58	3/4	654.28	3/4	379.30	3/4	104.15	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2009 CL - SW  
CALCULATED: 04/30/2009 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

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



# BARGE "KIRBY 13022B"

## SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,113	0	2,225	0		0		0		0		0		0		0	
1/4	23	1/4	1,136	1/4	2,249	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	46	1/2	1,159	1/2	2,272	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	70	3/4	1,182	3/4	2,295	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	93	1	1,205	1	2,318	1		1		1		1		1		1		1	
1/4	116	1/4	1,229	1/4	2,341	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	139	1/2	1,252	1/2	2,365	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162	3/4	1,275	3/4	2,388	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	185	2	1,298	2	2,411	2		2		2		2		2		2		2	
1/4	209	1/4	1,321	1/4	2,434	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	232	1/2	1,345	1/2	2,457	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	255	3/4	1,368	3/4	2,480	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	278	3	1,391	3	2,504	3		3		3		3		3		3		3	
1/4	301	1/4	1,414	1/4	2,527	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	325	1/2	1,437	1/2	2,550	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	348	3/4	1,460	3/4	2,573	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	371	4	1,484	4	2,596	4		4		4		4		4		4		4	
1/4	394	1/4	1,507	1/4	2,620	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	417	1/2	1,530	1/2	2,643	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	1,553	3/4	2,666	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	464	5	1,576	5	2,689	5		5		5		5		5		5		5	
1/4	487	1/4	1,600	1/4	2,712	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	510	1/2	1,623	1/2	2,735	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	533	3/4	1,646	3/4	2,759	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	556	6	1,669	6	2,782	6		6		6		6		6		6		6	
1/4	580	1/4	1,692	1/4	2,805	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	603	1/2	1,715	1/2	2,828	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	626	3/4	1,739	3/4	2,851	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	649	7	1,762	7	2,875	7		7		7		7		7		7		7	
1/4	672	1/4	1,785	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	695	1/2	1,808	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	719	3/4	1,831	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	742	8	1,855	8		8		8		8		8		8		8		8	
1/4	765	1/4	1,878	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	788	1/2	1,901	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	811	3/4	1,924	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	835	9	1,947	9		9		9		9		9		9		9		9	
1/4	858	1/4	1,970	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	881	1/2	1,994	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	904	3/4	2,017	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	927	10	2,040	10		10		10		10		10		10		10		10	
1/4	950	1/4	2,063	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	974	1/2	2,086	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	997	3/4	2,110	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,020	11	2,133	11		11		11		11		11		11		11		11	
1/4	1,043	1/4	2,156	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,066	1/2	2,179	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,090	3/4	2,202	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 AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 04/01/2024 CL  
CALCULATED: 04/01/2024 CL  
VERIFIED: 04/01/2024 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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