



# BARGE "KIRBY 29151"

## ULLAGE TRIM TABLE

FORMERLY "SMI 30057"

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 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	00-0/8	- 00-0/8	00-0/8	- 00-0/8
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	- 00-0/8	00-0/8	- 00-0/8	00-0/8
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	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 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	- 00-0/8	00-0/8	- 00-0/8	00-0/8
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	- 00-0/8	00-0/8	- 00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 5'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-0/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 0/8"

LENGTH BETWEEN DRAFT MARKS: 235'-09"

March 20, 2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29151"

**1 PORT**  
**ULLAGE TABLE**

**"HERMETIC"**  
**GAUGE HEIGHT 17'-04"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

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		4,716.17		4,359.55		4,001.65		3,643.63		3,285.60		2,927.58
1/4		1/4		1/4		1/4		1/4	4,708.78	1/4	4,352.12	1/4	3,994.19	1/4	3,636.17	1/4	3,278.14	1/4	2,920.12
1/2		1/2		1/2		1/2		1/2	4,701.38	1/2	4,344.68	1/2	3,986.73	1/2	3,628.71	1/2	3,270.69	1/2	2,912.66
3/4		3/4		3/4		3/4		3/4	4,693.98	3/4	4,337.24	3/4	3,979.27	3/4	3,621.25	3/4	3,263.23	3/4	2,905.20
<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>4,686.59</b>	<b>1</b>	<b>4,329.81</b>	<b>1</b>	<b>3,971.81</b>	<b>1</b>	<b>3,613.79</b>	<b>1</b>	<b>3,255.77</b>	<b>1</b>	<b>2,897.74</b>
1/4		1/4		1/4		1/4		1/4	5,014.38	1/4	4,679.19	1/4	4,322.35	1/4	3,964.35	1/4	3,606.33	1/4	3,248.31
1/2		1/2		1/2		1/2		1/2	5,009.91	1/2	4,671.79	1/2	4,314.90	1/2	3,956.90	1/2	3,598.87	1/2	3,240.85
3/4		3/4		3/4		3/4		3/4	5,005.44	3/4	4,664.39	3/4	4,307.45	3/4	3,949.44	3/4	3,591.41	3/4	3,233.39
<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>5,000.97</b>	<b>2</b>	<b>4,657.00</b>	<b>2</b>	<b>4,300.00</b>	<b>2</b>	<b>3,941.98</b>	<b>2</b>	<b>3,583.96</b>	<b>2</b>	<b>3,225.93</b>
1/4		1/4		1/4		1/4		1/4	4,995.44	1/4	4,649.57	1/4	4,292.54	1/4	3,934.52	1/4	3,576.50	1/4	3,218.47
1/2		1/2		1/2		1/2		1/2	4,989.90	1/2	4,642.14	1/2	4,285.08	1/2	3,927.06	1/2	3,569.04	1/2	3,211.02
3/4		3/4		3/4		3/4		3/4	4,984.36	3/4	4,634.72	3/4	4,277.62	3/4	3,919.60	3/4	3,561.58	3/4	3,203.56
<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>4,978.83</b>	<b>3</b>	<b>4,627.29</b>	<b>3</b>	<b>4,270.16</b>	<b>3</b>	<b>3,912.14</b>	<b>3</b>	<b>3,554.12</b>	<b>3</b>	<b>3,196.10</b>
1/4		1/4		1/4		1/4		1/4	4,972.23	1/4	4,619.85	1/4	4,262.71	1/4	3,904.68	1/4	3,546.66	1/4	3,188.64
1/2		1/2		1/2		1/2		1/2	4,965.63	1/2	4,612.42	1/2	4,255.25	1/2	3,897.22	1/2	3,539.20	1/2	3,181.18
3/4		3/4		3/4		3/4		3/4	4,959.03	3/4	4,604.98	3/4	4,247.79	3/4	3,889.77	3/4	3,531.74	3/4	3,173.72
<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>4,952.42</b>	<b>4</b>	<b>4,597.54</b>	<b>4</b>	<b>4,240.33</b>	<b>4</b>	<b>3,882.31</b>	<b>4</b>	<b>3,524.28</b>	<b>4</b>	<b>3,166.26</b>
1/4		1/4		1/4		1/4		1/4	4,945.16	1/4	4,590.10	1/4	4,232.87	1/4	3,874.85	1/4	3,516.83	1/4	3,158.80
1/2		1/2		1/2		1/2		1/2	4,937.89	1/2	4,582.67	1/2	4,225.41	1/2	3,867.39	1/2	3,509.37	1/2	3,151.34
3/4		3/4		3/4		3/4		3/4	4,930.62	3/4	4,575.23	3/4	4,217.95	3/4	3,859.93	3/4	3,501.91	3/4	3,143.89
<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>4,923.35</b>	<b>5</b>	<b>4,567.79</b>	<b>5</b>	<b>4,210.49</b>	<b>5</b>	<b>3,852.47</b>	<b>5</b>	<b>3,494.45</b>	<b>5</b>	<b>3,136.43</b>
1/4		1/4		1/4		1/4		1/4	4,915.95	1/4	4,560.36	1/4	4,203.04	1/4	3,845.01	1/4	3,486.99	1/4	3,128.97
1/2		1/2		1/2		1/2		1/2	4,908.55	1/2	4,552.92	1/2	4,195.58	1/2	3,837.55	1/2	3,479.53	1/2	3,121.51
3/4		3/4		3/4		3/4		3/4	4,901.15	3/4	4,545.48	3/4	4,188.12	3/4	3,830.10	3/4	3,472.07	3/4	3,114.05
<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>4,893.75</b>	<b>6</b>	<b>4,538.04</b>	<b>6</b>	<b>4,180.66</b>	<b>6</b>	<b>3,822.64</b>	<b>6</b>	<b>3,464.61</b>	<b>6</b>	<b>3,106.59</b>
1/4		1/4		1/4		1/4		1/4	4,886.35	1/4	4,530.61	1/4	4,173.20	1/4	3,815.18	1/4	3,457.16	1/4	3,099.13
1/2		1/2		1/2		1/2		1/2	4,878.95	1/2	4,523.17	1/2	4,165.74	1/2	3,807.72	1/2	3,449.70	1/2	3,091.67
3/4		3/4		3/4		3/4		3/4	4,871.54	3/4	4,515.73	3/4	4,158.28	3/4	3,800.26	3/4	3,442.24	3/4	3,084.22
<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>4,864.14</b>	<b>7</b>	<b>4,508.30</b>	<b>7</b>	<b>4,150.82</b>	<b>7</b>	<b>3,792.80</b>	<b>7</b>	<b>3,434.78</b>	<b>7</b>	<b>3,076.76</b>
1/4		1/4		1/4		1/4		1/4	4,856.74	1/4	4,500.86	1/4	4,143.37	1/4	3,785.34	1/4	3,427.32	1/4	3,069.30
1/2		1/2		1/2		1/2		1/2	4,849.34	1/2	4,493.42	1/2	4,135.91	1/2	3,777.88	1/2	3,419.86	1/2	3,061.84
3/4		3/4		3/4		3/4		3/4	4,841.94	3/4	4,485.98	3/4	4,128.45	3/4	3,770.43	3/4	3,412.40	3/4	3,054.38
<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>4,834.54</b>	<b>8</b>	<b>4,478.55</b>	<b>8</b>	<b>4,120.99</b>	<b>8</b>	<b>3,762.97</b>	<b>8</b>	<b>3,404.94</b>	<b>8</b>	<b>3,046.92</b>
1/4		1/4		1/4		1/4		1/4	4,827.14	1/4	4,471.11	1/4	4,113.53	1/4	3,755.51	1/4	3,397.49	1/4	3,039.46
1/2		1/2		1/2		1/2		1/2	4,819.74	1/2	4,463.67	1/2	4,106.07	1/2	3,748.05	1/2	3,390.03	1/2	3,032.00
3/4		3/4		3/4		3/4		3/4	4,812.34	3/4	4,456.24	3/4	4,098.61	3/4	3,740.59	3/4	3,382.57	3/4	3,024.55
<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>4,804.94</b>	<b>9</b>	<b>4,448.80</b>	<b>9</b>	<b>4,091.15</b>	<b>9</b>	<b>3,733.13</b>	<b>9</b>	<b>3,375.11</b>	<b>9</b>	<b>3,017.09</b>
1/4		1/4		1/4		1/4		1/4	4,797.54	1/4	4,441.36	1/4	4,083.69	1/4	3,725.67	1/4	3,367.65	1/4	3,009.63
1/2		1/2		1/2		1/2		1/2	4,790.15	1/2	4,433.92	1/2	4,076.24	1/2	3,718.21	1/2	3,360.19	1/2	3,002.17
3/4		3/4		3/4		3/4		3/4	4,782.75	3/4	4,426.49	3/4	4,068.78	3/4	3,710.75	3/4	3,352.73	3/4	2,994.71
<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>4,775.35</b>	<b>10</b>	<b>4,419.05</b>	<b>10</b>	<b>4,061.32</b>	<b>10</b>	<b>3,703.30</b>	<b>10</b>	<b>3,345.27</b>	<b>10</b>	<b>2,987.25</b>
1/4		1/4		1/4		1/4		1/4	4,767.96	1/4	4,411.61	1/4	4,053.86	1/4	3,695.84	1/4	3,337.81	1/4	2,979.79
1/2		1/2		1/2		1/2		1/2	4,760.56	1/2	4,404.18	1/2	4,046.40	1/2	3,688.38	1/2	3,330.36	1/2	2,972.33
3/4		3/4		3/4		3/4		3/4	4,753.16	3/4	4,396.74	3/4	4,038.94	3/4	3,680.92	3/4	3,322.90	3/4	2,964.87
<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>4,745.76</b>	<b>11</b>	<b>4,389.30</b>	<b>11</b>	<b>4,031.48</b>	<b>11</b>	<b>3,673.46</b>	<b>11</b>	<b>3,315.44</b>	<b>11</b>	<b>2,957.42</b>
1/4		1/4		1/4		1/4		1/4	4,738.37	1/4	4,381.86	1/4	4,024.02	1/4	3,666.00	1/4	3,307.98	1/4	2,949.96
1/2		1/2		1/2		1/2		1/2	4,730.97	1/2	4,374.43	1/2	4,016.57	1/2	3,658.54	1/2	3,300.52	1/2	2,942.50
3/4		3/4		3/4		3/4		3/4	4,723.57	3/4	4,366.99	3/4	4,009.11	3/4	3,651.08	3/4	3,293.06	3/4	2,935.04

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" GAUGING DEVICE.  
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "KIRBY 29151"

1 PORT

ULLAGE TABLE  
"HERMETIC"

GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

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	2,569.38	0	2,211.16	0	1,852.95	0	1,494.73	0	1,136.52	0	780.47	0	423.68	0	102.43	0		0	
1/4	2,561.91	1/4	2,203.70	1/4	1,845.48	1/4	1,487.27	1/4	1,129.08	1/4	773.02	1/4	416.50	1/4	96.31	1/4		1/4	
1/2	2,554.45	1/2	2,196.24	1/2	1,838.02	1/2	1,479.81	1/2	1,121.64	1/2	765.57	1/2	409.33	1/2	90.19	1/2		1/2	
3/4	2,546.99	3/4	2,188.77	3/4	1,830.56	3/4	1,472.34	3/4	1,114.20	3/4	758.12	3/4	402.15	3/4	84.07	3/4		3/4	
1	2,539.52	1	2,181.31	1	1,823.10	1	1,464.88	1	1,106.76	1	750.67	1	394.97	1	77.95	1		1	
1/4	2,532.06	1/4	2,173.85	1/4	1,815.63	1/4	1,457.42	1/4	1,099.32	1/4	743.20	1/4	387.88	1/4	71.91	1/4		1/4	
1/2	2,524.60	1/2	2,166.38	1/2	1,808.17	1/2	1,449.96	1/2	1,091.89	1/2	735.74	1/2	380.80	1/2	65.88	1/2		1/2	
3/4	2,517.14	3/4	2,158.92	3/4	1,800.71	3/4	1,442.49	3/4	1,084.46	3/4	728.28	3/4	373.71	3/4	59.85	3/4		3/4	
2	2,509.67	2	2,151.46	2	1,793.24	2	1,435.03	2	1,077.02	2	720.82	2	366.62	2	53.82	2		2	
1/4	2,502.21	1/4	2,144.00	1/4	1,785.78	1/4	1,427.57	1/4	1,069.60	1/4	713.35	1/4	359.62	1/4	48.57	1/4		1/4	
1/2	2,494.75	1/2	2,136.53	1/2	1,778.32	1/2	1,420.10	1/2	1,062.18	1/2	705.89	1/2	352.62	1/2	43.32	1/2		1/2	
3/4	2,487.29	3/4	2,129.07	3/4	1,770.86	3/4	1,412.64	3/4	1,054.76	3/4	698.43	3/4	345.62	3/4	38.08	3/4		3/4	
3	2,479.82	3	2,121.61	3	1,763.39	3	1,405.18	3	1,047.33	3	690.97	3	338.62	3	32.83	3		3	
1/4	2,472.36	1/4	2,114.15	1/4	1,755.93	1/4	1,397.72	1/4	1,039.91	1/4	683.50	1/4	331.70	1/4	29.31	1/4		1/4	
1/2	2,464.90	1/2	2,106.68	1/2	1,748.47	1/2	1,390.25	1/2	1,032.49	1/2	676.04	1/2	324.79	1/2	25.79	1/2		1/2	
3/4	2,457.43	3/4	2,099.22	3/4	1,741.01	3/4	1,382.79	3/4	1,025.07	3/4	668.58	3/4	317.88	3/4	22.26	3/4		3/4	
4	2,449.97	4	2,091.76	4	1,733.54	4	1,375.33	4	1,017.66	4	661.12	4	310.97	4	18.74	4		4	
1/4	2,442.51	1/4	2,084.29	1/4	1,726.08	1/4	1,367.87	1/4	1,010.24	1/4	653.65	1/4	304.14	1/4		1/4		1/4	
1/2	2,435.05	1/2	2,076.83	1/2	1,718.62	1/2	1,360.40	1/2	1,002.83	1/2	646.19	1/2	297.32	1/2		1/2		1/2	
3/4	2,427.58	3/4	2,069.37	3/4	1,711.15	3/4	1,352.94	3/4	995.41	3/4	638.73	3/4	290.49	3/4		3/4		3/4	
5	2,420.12	5	2,061.91	5	1,703.69	5	1,345.48	5	988.00	5	631.27	5	283.67	5	5	5		5	
1/4	2,412.66	1/4	2,054.44	1/4	1,696.23	1/4	1,338.01	1/4	980.59	1/4	623.80	1/4	276.93	1/4		1/4		1/4	
1/2	2,405.19	1/2	2,046.98	1/2	1,688.77	1/2	1,330.55	1/2	973.18	1/2	616.34	1/2	270.19	1/2		1/2		1/2	
3/4	2,397.73	3/4	2,039.52	3/4	1,681.30	3/4	1,323.09	3/4	965.77	3/4	608.88	3/4	263.46	3/4		3/4		3/4	
6	2,390.27	6	2,032.05	6	1,673.84	6	1,315.63	6	958.35	6	601.42	6	256.72	6	6	6		6	
1/4	2,382.81	1/4	2,024.59	1/4	1,666.38	1/4	1,308.16	1/4	950.94	1/4	593.95	1/4	250.07	1/4		1/4		1/4	
1/2	2,375.34	1/2	2,017.13	1/2	1,658.91	1/2	1,300.70	1/2	943.53	1/2	586.49	1/2	243.42	1/2		1/2		1/2	
3/4	2,367.88	3/4	2,009.67	3/4	1,651.45	3/4	1,293.24	3/4	936.12	3/4	579.03	3/4	236.77	3/4		3/4		3/4	
7	2,360.42	7	2,002.20	7	1,643.99	7	1,285.77	7	928.71	7	571.57	7	230.13	7	7	7		7	
1/4	2,352.95	1/4	1,994.74	1/4	1,636.53	1/4	1,278.31	1/4	921.29	1/4	564.10	1/4	223.56	1/4		1/4		1/4	
1/2	2,345.49	1/2	1,987.28	1/2	1,629.06	1/2	1,270.85	1/2	913.88	1/2	556.64	1/2	217.00	1/2		1/2		1/2	
3/4	2,338.03	3/4	1,979.81	3/4	1,621.60	3/4	1,263.39	3/4	906.47	3/4	549.18	3/4	210.44	3/4		3/4		3/4	
8	2,330.57	8	1,972.35	8	1,614.14	8	1,255.92	8	899.06	8	541.72	8	203.88	8	8	8		8	
1/4	2,323.10	1/4	1,964.89	1/4	1,606.67	1/4	1,248.46	1/4	891.65	1/4	534.25	1/4	197.41	1/4		1/4		1/4	
1/2	2,315.64	1/2	1,957.43	1/2	1,599.21	1/2	1,241.00	1/2	884.23	1/2	526.79	1/2	190.94	1/2		1/2		1/2	
3/4	2,308.18	3/4	1,949.96	3/4	1,591.75	3/4	1,233.53	3/4	876.82	3/4	519.33	3/4	184.46	3/4		3/4		3/4	
9	2,300.72	9	1,942.50	9	1,584.29	9	1,226.07	9	869.41	9	511.87	9	177.99	9	9	9		9	
1/4	2,293.25	1/4	1,935.04	1/4	1,576.82	1/4	1,218.61	1/4	862.00	1/4	504.44	1/4	171.61	1/4		1/4		1/4	
1/2	2,285.79	1/2	1,927.58	1/2	1,569.36	1/2	1,211.15	1/2	854.59	1/2	497.01	1/2	165.22	1/2		1/2		1/2	
3/4	2,278.33	3/4	1,920.11	3/4	1,561.90	3/4	1,203.68	3/4	847.17	3/4	489.58	3/4	158.84	3/4		3/4		3/4	
10	2,270.86	10	1,912.65	10	1,554.44	10	1,196.22	10	839.76	10	482.15	10	152.45	10	10	10		10	
1/4	2,263.40	1/4	1,905.19	1/4	1,546.97	1/4	1,188.76	1/4	832.35	1/4	474.80	1/4	146.16	1/4		1/4		1/4	
1/2	2,255.94	1/2	1,897.72	1/2	1,539.51	1/2	1,181.30	1/2	824.94	1/2	467.44	1/2	139.86	1/2		1/2		1/2	
3/4	2,248.48	3/4	1,890.26	3/4	1,532.05	3/4	1,173.83	3/4	817.53	3/4	460.09	3/4	133.56	3/4		3/4		3/4	
11	2,241.01	11	1,882.80	11	1,524.58	11	1,166.37	11	810.12	11	452.74	11	127.27	11	11	11		11	
1/4	2,233.55	1/4	1,875.34	1/4	1,517.12	1/4	1,158.91	1/4	802.70	1/4	445.47	1/4	121.06	1/4		1/4		1/4	
1/2	2,226.09	1/2	1,867.87	1/2	1,509.66	1/2	1,151.44	1/2	795.29	1/2	438.21	1/2	114.85	1/2		1/2		1/2	
3/4	2,218.62	3/4	1,860.41	3/4	1,502.20	3/4	1,143.98	3/4	787.88	3/4	430.94	3/4	108.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 CL  
RECALCULATED: 03/21/2024 JS  
NAME CHANGE: 03/21/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 29151"

## 1 STBD ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

GAUGE HEIGHT 17'-04 1/4"

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		0		0	4,726.30	0	4,369.64	0	4,011.68	0	3,653.57	0	3,295.47	0	2,937.36
1/4		1/4		1/4		1/4		1/4	4,718.90	1/4	4,362.20	1/4	4,004.21	1/4	3,646.11	1/4	3,288.01	1/4	2,929.90
1/2		1/2		1/2		1/2		1/2	4,711.50	1/2	4,354.76	1/2	3,996.75	1/2	3,638.65	1/2	3,280.55	1/2	2,922.44
3/4		3/4		3/4		3/4		3/4	4,704.10	3/4	4,347.32	3/4	3,989.29	3/4	3,631.19	3/4	3,273.09	3/4	2,914.98
1		1		1		1		1	4,696.70	1	4,339.88	1	3,981.83	1	3,623.73	1	3,265.63	1	2,907.52
1/4		1/4		1/4		1/4		1/4	4,689.30	1/4	4,332.44	1/4	3,974.37	1/4	3,616.27	1/4	3,258.16	1/4	2,900.06
1/2		1/2		1/2		1/2	5,017.17	1/2	4,681.90	1/2	4,324.99	1/2	3,966.91	1/2	3,608.81	1/2	3,250.70	1/2	2,892.60
3/4		3/4		3/4		3/4	5,012.70	3/4	4,674.50	3/4	4,317.54	3/4	3,959.45	3/4	3,601.35	3/4	3,243.24	3/4	2,885.13
2		2		2		2	5,008.23	2	4,667.11	2	4,310.09	2	3,951.99	2	3,593.89	2	3,235.78	2	2,877.67
1/4		1/4		1/4		1/4	5,003.76	1/4	4,659.71	1/4	4,302.63	1/4	3,944.53	1/4	3,586.43	1/4	3,228.32	1/4	2,870.20
1/2		1/2		1/2		1/2	4,998.22	1/2	4,652.28	1/2	4,295.17	1/2	3,937.07	1/2	3,578.97	1/2	3,220.86	1/2	2,862.74
3/4		3/4		3/4		3/4	4,992.68	3/4	4,644.85	3/4	4,287.71	3/4	3,929.61	3/4	3,571.51	3/4	3,213.40	3/4	2,855.27
3		3		3		3	4,987.15	3	4,637.42	3	4,280.25	3	3,922.15	3	3,564.05	3	3,205.94	3	2,847.81
1/4		1/4		1/4		1/4	4,981.61	1/4	4,629.99	1/4	4,272.79	1/4	3,914.69	1/4	3,556.58	1/4	3,198.48	1/4	2,840.34
1/2		1/2		1/2		1/2	4,975.01	1/2	4,622.56	1/2	4,265.33	1/2	3,907.23	1/2	3,549.12	1/2	3,191.02	1/2	2,832.88
3/4		3/4		3/4		3/4	4,968.41	3/4	4,615.12	3/4	4,257.87	3/4	3,899.77	3/4	3,541.66	3/4	3,183.56	3/4	2,825.42
4		4		4		4	4,961.80	4	4,607.68	4	4,250.41	4	3,892.31	4	3,534.20	4	3,176.10	4	2,817.95
1/4		1/4		1/4		1/4	4,955.20	1/4	4,600.24	1/4	4,242.95	1/4	3,884.85	1/4	3,526.74	1/4	3,168.64	1/4	2,810.49
1/2		1/2		1/2		1/2	4,947.93	1/2	4,592.80	1/2	4,235.49	1/2	3,877.39	1/2	3,519.28	1/2	3,161.18	1/2	2,803.02
3/4		3/4		3/4		3/4	4,940.66	3/4	4,585.36	3/4	4,228.03	3/4	3,869.93	3/4	3,511.82	3/4	3,153.72	3/4	2,795.56
5		5		5		5	4,933.39	5	4,577.92	5	4,220.57	5	3,862.47	5	3,504.36	5	3,146.26	5	2,788.09
1/4		1/4		1/4		1/4	4,926.12	1/4	4,570.48	1/4	4,213.11	1/4	3,855.00	1/4	3,496.90	1/4	3,138.80	1/4	2,780.63
1/2		1/2		1/2		1/2	4,918.72	1/2	4,563.04	1/2	4,205.65	1/2	3,847.54	1/2	3,489.44	1/2	3,131.34	1/2	2,773.16
3/4		3/4		3/4		3/4	4,911.32	3/4	4,555.61	3/4	4,198.19	3/4	3,840.08	3/4	3,481.98	3/4	3,123.88	3/4	2,765.70
6		6		6		6	4,903.91	6	4,548.17	6	4,190.73	6	3,832.62	6	3,474.52	6	3,116.42	6	2,758.24
1/4		1/4		1/4		1/4	4,896.51	1/4	4,540.73	1/4	4,183.27	1/4	3,825.16	1/4	3,467.06	1/4	3,108.95	1/4	2,750.77
1/2		1/2		1/2		1/2	4,889.11	1/2	4,533.29	1/2	4,175.81	1/2	3,817.70	1/2	3,459.60	1/2	3,101.49	1/2	2,743.31
3/4		3/4		3/4		3/4	4,881.71	3/4	4,525.85	3/4	4,168.35	3/4	3,810.24	3/4	3,452.14	3/4	3,094.03	3/4	2,735.84
7		7		7		7	4,874.30	7	4,518.41	7	4,160.89	7	3,802.78	7	3,444.68	7	3,086.57	7	2,728.38
1/4		1/4		1/4		1/4	4,866.90	1/4	4,510.97	1/4	4,153.42	1/4	3,795.32	1/4	3,437.22	1/4	3,079.11	1/4	2,720.91
1/2		1/2		1/2		1/2	4,859.50	1/2	4,503.53	1/2	4,145.96	1/2	3,787.86	1/2	3,429.76	1/2	3,071.65	1/2	2,713.45
3/4		3/4		3/4		3/4	4,852.09	3/4	4,496.10	3/4	4,138.50	3/4	3,780.40	3/4	3,422.30	3/4	3,064.19	3/4	2,705.98
8		8		8		8	4,844.69	8	4,488.66	8	4,131.04	8	3,772.94	8	3,414.84	8	3,056.73	8	2,698.52
1/4		1/4		1/4		1/4	4,837.29	1/4	4,481.22	1/4	4,123.58	1/4	3,765.48	1/4	3,407.37	1/4	3,049.27	1/4	2,691.05
1/2		1/2		1/2		1/2	4,829.89	1/2	4,473.78	1/2	4,116.12	1/2	3,758.02	1/2	3,399.91	1/2	3,041.81	1/2	2,683.59
3/4		3/4		3/4		3/4	4,822.49	3/4	4,466.34	3/4	4,108.66	3/4	3,750.56	3/4	3,392.45	3/4	3,034.35	3/4	2,676.13
9		9		9		9	4,815.09	9	4,458.90	9	4,101.20	9	3,743.10	9	3,384.99	9	3,026.89	9	2,668.66
1/4		1/4		1/4		1/4	4,807.69	1/4	4,451.46	1/4	4,093.74	1/4	3,735.64	1/4	3,377.53	1/4	3,019.43	1/4	2,661.20
1/2		1/2		1/2		1/2	4,800.29	1/2	4,444.02	1/2	4,086.28	1/2	3,728.18	1/2	3,370.07	1/2	3,011.97	1/2	2,653.73
3/4		3/4		3/4		3/4	4,792.89	3/4	4,436.59	3/4	4,078.82	3/4	3,720.72	3/4	3,362.61	3/4	3,004.51	3/4	2,646.27
10		10		10		10	4,785.49	10	4,429.15	10	4,071.36	10	3,713.26	10	3,355.15	10	2,997.05	10	2,638.80
1/4		1/4		1/4		1/4	4,778.09	1/4	4,421.71	1/4	4,063.90	1/4	3,705.79	1/4	3,347.69	1/4	2,989.59	1/4	2,631.34
1/2		1/2		1/2		1/2	4,770.69	1/2	4,414.27	1/2	4,056.44	1/2	3,698.33	1/2	3,340.23	1/2	2,982.13	1/2	2,623.87
3/4		3/4		3/4		3/4	4,763.29	3/4	4,406.83	3/4	4,048.98	3/4	3,690.87	3/4	3,332.77	3/4	2,974.67	3/4	2,616.41
11		11		11		11	4,755.89	11	4,399.39	11	4,041.52	11	3,683.41	11	3,325.31	11	2,967.21	11	2,608.95
1/4		1/4		1/4		1/4	4,748.49	1/4	4,391.95	1/4	4,034.06	1/4	3,675.95	1/4	3,317.85	1/4	2,959.74	1/4	2,601.48
1/2		1/2		1/2		1/2	4,741.10	1/2	4,384.51	1/2	4,026.60	1/2	3,668.49	1/2	3,310.39	1/2	2,952.28	1/2	2,594.02
3/4		3/4		3/4		3/4	4,733.70	3/4	4,377.07	3/4	4,019.14	3/4	3,661.03	3/4	3,302.93	3/4	2,944.82	3/4	2,586.55

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 29151"

1 STBD

ULLAGE TABLE  
"HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

GAUGE HEIGHT 17'-04 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	2,579.09	0	2,220.79	0	1,862.50	0	1,504.20	0	1,145.90	0	788.08	0	431.05	0	108.66	0		0	
1/4	2,571.62	1/4	2,213.33	1/4	1,855.03	1/4	1,496.73	1/4	1,138.44	1/4	780.63	1/4	423.78	1/4	102.45	1/4		1/4	
1/2	2,564.16	1/2	2,205.86	1/2	1,847.57	1/2	1,489.27	1/2	1,130.97	1/2	773.17	1/2	416.60	1/2	96.33	1/2		1/2	
3/4	2,556.69	3/4	2,198.40	3/4	1,840.10	3/4	1,481.81	3/4	1,123.51	3/4	765.71	3/4	409.42	3/4	90.21	3/4		3/4	
1	2,549.23	1	2,190.93	1	1,832.64	1	1,474.34	1	1,116.05	1	758.24	1	402.25	1	84.09	1		1	
1/4	2,541.76	1/4	2,183.47	1/4	1,825.17	1/4	1,466.88	1/4	1,108.58	1/4	750.78	1/4	395.07	1/4	77.96	1/4		1/4	
1/2	2,534.30	1/2	2,176.00	1/2	1,817.71	1/2	1,459.41	1/2	1,101.12	1/2	743.32	1/2	387.98	1/2	71.93	1/2		1/2	
3/4	2,526.84	3/4	2,168.54	3/4	1,810.24	3/4	1,451.95	3/4	1,093.65	3/4	735.85	3/4	380.89	3/4	65.90	3/4		3/4	
2	2,519.37	2	2,161.08	2	1,802.78	2	1,444.48	2	1,086.19	2	728.39	2	373.80	2	59.86	2		2	
1/4	2,511.91	1/4	2,153.61	1/4	1,795.31	1/4	1,437.02	1/4	1,078.72	1/4	720.93	1/4	366.71	1/4	53.83	1/4		1/4	
1/2	2,504.44	1/2	2,146.15	1/2	1,787.85	1/2	1,429.55	1/2	1,071.26	1/2	713.46	1/2	359.70	1/2	48.58	1/2		1/2	
3/4	2,496.98	3/4	2,138.68	3/4	1,780.39	3/4	1,422.09	3/4	1,063.80	3/4	706.00	3/4	352.70	3/4	43.33	3/4		3/4	
3	2,489.51	3	2,131.22	3	1,772.92	3	1,414.63	3	1,056.34	3	698.53	3	345.70	3	38.09	3		3	
1/4	2,482.05	1/4	2,123.75	1/4	1,765.46	1/4	1,407.16	1/4	1,048.88	1/4	691.07	1/4	338.70	1/4	32.84	1/4		1/4	
1/2	2,474.58	1/2	2,116.29	1/2	1,757.99	1/2	1,399.70	1/2	1,041.43	1/2	683.61	1/2	331.78	1/2	29.32	1/2		1/2	
3/4	2,467.12	3/4	2,108.82	3/4	1,750.53	3/4	1,392.23	3/4	1,033.97	3/4	676.14	3/4	324.87	3/4	25.79	3/4		3/4	
4	2,459.66	4	2,101.36	4	1,743.06	4	1,384.77	4	1,026.51	4	668.68	4	317.95	4	22.26	4		4	
1/4	2,452.19	1/4	2,093.89	1/4	1,735.60	1/4	1,377.30	1/4	1,019.05	1/4	661.21	1/4	311.04	1/4	18.74	1/4		1/4	
1/2	2,444.73	1/2	2,086.43	1/2	1,728.13	1/2	1,369.84	1/2	1,011.60	1/2	653.75	1/2	304.21	1/2		1/2		1/2	
3/4	2,437.26	3/4	2,078.97	3/4	1,720.67	3/4	1,362.37	3/4	1,004.15	3/4	646.28	3/4	297.39	3/4		3/4		3/4	
5	2,429.80	5	2,071.50	5	1,713.21	5	1,354.91	5	996.70	5	638.82	5	290.56	5		5		5	
1/4	2,422.33	1/4	2,064.04	1/4	1,705.74	1/4	1,347.44	1/4	989.24	1/4	631.36	1/4	283.73	1/4		1/4		1/4	
1/2	2,414.87	1/2	2,056.57	1/2	1,698.28	1/2	1,339.98	1/2	981.79	1/2	623.89	1/2	277.00	1/2		1/2		1/2	
3/4	2,407.40	3/4	2,049.11	3/4	1,690.81	3/4	1,332.52	3/4	974.34	3/4	616.43	3/4	270.26	3/4		3/4		3/4	
6	2,399.94	6	2,041.64	6	1,683.35	6	1,325.05	6	966.89	6	608.96	6	263.52	6		6		6	
1/4	2,392.47	1/4	2,034.18	1/4	1,675.88	1/4	1,317.59	1/4	959.44	1/4	601.50	1/4	256.78	1/4		1/4		1/4	
1/2	2,385.01	1/2	2,026.71	1/2	1,668.42	1/2	1,310.12	1/2	951.99	1/2	594.04	1/2	250.13	1/2		1/2		1/2	
3/4	2,377.55	3/4	2,019.25	3/4	1,660.95	3/4	1,302.66	3/4	944.54	3/4	586.57	3/4	243.48	3/4		3/4		3/4	
7	2,370.08	7	2,011.79	7	1,653.49	7	1,295.19	7	937.09	7	579.11	7	236.83	7		7		7	
1/4	2,362.62	1/4	2,004.32	1/4	1,646.02	1/4	1,287.73	1/4	929.64	1/4	571.64	1/4	230.18	1/4		1/4		1/4	
1/2	2,355.15	1/2	1,996.86	1/2	1,638.56	1/2	1,280.26	1/2	922.19	1/2	564.18	1/2	223.62	1/2		1/2		1/2	
3/4	2,347.69	3/4	1,989.39	3/4	1,631.10	3/4	1,272.80	3/4	914.74	3/4	556.73	3/4	217.05	3/4		3/4		3/4	
8	2,340.22	8	1,981.93	8	1,623.63	8	1,265.34	8	907.29	8	549.27	8	210.49	8		8		8	
1/4	2,332.76	1/4	1,974.46	1/4	1,616.17	1/4	1,257.87	1/4	899.84	1/4	541.81	1/4	203.93	1/4		1/4		1/4	
1/2	2,325.29	1/2	1,967.00	1/2	1,608.70	1/2	1,250.41	1/2	892.39	1/2	534.35	1/2	197.46	1/2		1/2		1/2	
3/4	2,317.83	3/4	1,959.53	3/4	1,601.24	3/4	1,242.94	3/4	884.94	3/4	526.89	3/4	190.98	3/4		3/4		3/4	
9	2,310.37	9	1,952.07	9	1,593.77	9	1,235.48	9	877.48	9	519.44	9	184.51	9		9		9	
1/4	2,302.90	1/4	1,944.60	1/4	1,586.31	1/4	1,228.01	1/4	870.03	1/4	511.98	1/4	178.03	1/4		1/4		1/4	
1/2	2,295.44	1/2	1,937.14	1/2	1,578.84	1/2	1,220.55	1/2	862.58	1/2	504.55	1/2	171.65	1/2		1/2		1/2	
3/4	2,287.97	3/4	1,929.68	3/4	1,571.38	3/4	1,213.08	3/4	855.13	3/4	497.12	3/4	165.26	3/4		3/4		3/4	
10	2,280.51	10	1,922.21	10	1,563.92	10	1,205.62	10	847.68	10	489.69	10	158.87	10		10		10	
1/4	2,273.04	1/4	1,914.75	1/4	1,556.45	1/4	1,198.15	1/4	840.23	1/4	482.26	1/4	152.49	1/4		1/4		1/4	
1/2	2,265.58	1/2	1,907.28	1/2	1,548.99	1/2	1,190.69	1/2	832.78	1/2	474.91	1/2	146.19	1/2		1/2		1/2	
3/4	2,258.11	3/4	1,899.82	3/4	1,541.52	3/4	1,183.23	3/4	825.33	3/4	467.55	3/4	139.89	3/4		3/4		3/4	
11	2,250.65	11	1,892.35	11	1,534.06	11	1,175.76	11	817.88	11	460.20	11	133.59	11		11		11	
1/4	2,243.18	1/4	1,884.89	1/4	1,526.59	1/4	1,168.30	1/4	810.43	1/4	452.85	1/4	127.29	1/4		1/4		1/4	
1/2	2,235.72	1/2	1,877.42	1/2	1,519.13	1/2	1,160.83	1/2	802.98	1/2	445.58	1/2	121.08	1/2		1/2		1/2	
3/4	2,228.26	3/4	1,869.96	3/4	1,511.66	3/4	1,153.37	3/4	795.53	3/4	438.31	3/4	114.87	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 CL  
RECALCULATED: 03/21/2024 JS  
NAME CHANGE: 03/21/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29151"

## 2 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

GAUGE HEIGHT 17'-04"

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		0		0	4,783.20	0	4,425.40	0	4,066.32	0	3,707.13	0	3,347.93	0	2,988.74
1/4		1/4		1/4		1/4		1/4	4,775.78	1/4	4,417.94	1/4	4,058.84	1/4	3,699.64	1/4	3,340.45	1/4	2,981.25
1/2		1/2		1/2		1/2		1/2	4,768.35	1/2	4,410.48	1/2	4,051.35	1/2	3,692.16	1/2	3,332.97	1/2	2,973.76
3/4		3/4		3/4		3/4		3/4	4,760.93	3/4	4,403.02	3/4	4,043.87	3/4	3,684.68	3/4	3,325.48	3/4	2,966.28
1		1		1		1		1	4,753.51	1	4,395.56	1	4,036.39	1	3,677.19	1	3,318.00	1	2,958.79
1/4		1/4		1/4		1/4	5,082.38	1/4	4,746.09	1/4	4,388.08	1/4	4,028.90	1/4	3,669.71	1/4	3,310.52	1/4	2,951.30
1/2		1/2		1/2		1/2	5,077.90	1/2	4,738.67	1/2	4,380.60	1/2	4,021.42	1/2	3,662.23	1/2	3,303.03	1/2	2,943.81
3/4		3/4		3/4		3/4	5,073.41	3/4	4,731.24	3/4	4,373.13	3/4	4,013.94	3/4	3,654.74	3/4	3,295.55	3/4	2,936.33
2		2		2		2	5,068.93	2	4,723.82	2	4,365.65	2	4,006.45	2	3,647.26	2	3,288.07	2	2,928.84
1/4		1/4		1/4		1/4	5,063.37	1/4	4,716.37	1/4	4,358.17	1/4	3,998.97	1/4	3,639.78	1/4	3,280.58	1/4	2,921.35
1/2		1/2		1/2		1/2	5,057.82	1/2	4,708.92	1/2	4,350.68	1/2	3,991.49	1/2	3,632.29	1/2	3,273.10	1/2	2,913.87
3/4		3/4		3/4		3/4	5,052.27	3/4	4,701.47	3/4	4,343.20	3/4	3,984.01	3/4	3,624.81	3/4	3,265.62	3/4	2,906.38
3		3		3		3	5,046.71	3	4,694.02	3	4,335.72	3	3,976.52	3	3,617.33	3	3,258.13	3	2,898.89
1/4		1/4		1/4		1/4	5,040.09	1/4	4,686.56	1/4	4,328.23	1/4	3,969.04	1/4	3,609.85	1/4	3,250.65	1/4	2,891.40
1/2		1/2		1/2		1/2	5,033.47	1/2	4,679.10	1/2	4,320.75	1/2	3,961.56	1/2	3,602.36	1/2	3,243.17	1/2	2,883.92
3/4		3/4		3/4		3/4	5,026.85	3/4	4,671.63	3/4	4,313.27	3/4	3,954.07	3/4	3,594.88	3/4	3,235.69	3/4	2,876.43
4		4		4		4	5,020.22	4	4,664.17	4	4,305.78	4	3,946.59	4	3,587.40	4	3,228.20	4	2,868.94
1/4		1/4		1/4		1/4	5,012.93	1/4	4,656.71	1/4	4,298.30	1/4	3,939.11	1/4	3,579.91	1/4	3,220.72	1/4	2,861.45
1/2		1/2		1/2		1/2	5,005.64	1/2	4,649.25	1/2	4,290.82	1/2	3,931.62	1/2	3,572.43	1/2	3,213.24	1/2	2,853.97
3/4		3/4		3/4		3/4	4,998.35	3/4	4,641.79	3/4	4,283.33	3/4	3,924.14	3/4	3,564.95	3/4	3,205.75	3/4	2,846.48
5		5		5		5	4,991.06	5	4,634.33	5	4,275.85	5	3,916.66	5	3,557.46	5	3,198.27	5	2,838.99
1/4		1/4		1/4		1/4	4,983.63	1/4	4,626.87	1/4	4,268.37	1/4	3,909.17	1/4	3,549.98	1/4	3,190.79	1/4	2,831.51
1/2		1/2		1/2		1/2	4,976.21	1/2	4,619.40	1/2	4,260.88	1/2	3,901.69	1/2	3,542.50	1/2	3,183.30	1/2	2,824.02
3/4		3/4		3/4		3/4	4,968.78	3/4	4,611.94	3/4	4,253.40	3/4	3,894.21	3/4	3,535.01	3/4	3,175.82	3/4	2,816.53
6		6		6		6	4,961.35	6	4,604.48	6	4,245.92	6	3,886.72	6	3,527.53	6	3,168.34	6	2,809.04
1/4		1/4		1/4		1/4	4,953.93	1/4	4,597.02	1/4	4,238.43	1/4	3,879.24	1/4	3,520.05	1/4	3,160.85	1/4	2,801.56
1/2		1/2		1/2		1/2	4,946.50	1/2	4,589.56	1/2	4,230.95	1/2	3,871.76	1/2	3,512.56	1/2	3,153.37	1/2	2,794.07
3/4		3/4		3/4		3/4	4,939.08	3/4	4,582.10	3/4	4,223.47	3/4	3,864.27	3/4	3,505.08	3/4	3,145.89	3/4	2,786.58
7		7		7		7	4,931.65	7	4,574.63	7	4,215.98	7	3,856.79	7	3,497.60	7	3,138.40	7	2,779.10
1/4		1/4		1/4		1/4	4,924.23	1/4	4,567.17	1/4	4,208.50	1/4	3,849.31	1/4	3,490.11	1/4	3,130.92	1/4	2,771.61
1/2		1/2		1/2		1/2	4,916.80	1/2	4,559.71	1/2	4,201.02	1/2	3,841.82	1/2	3,482.63	1/2	3,123.44	1/2	2,764.12
3/4		3/4		3/4		3/4	4,909.37	3/4	4,552.25	3/4	4,193.53	3/4	3,834.34	3/4	3,475.15	3/4	3,115.95	3/4	2,756.63
8		8		8		8	4,901.95	8	4,544.79	8	4,186.05	8	3,826.86	8	3,467.66	8	3,108.47	8	2,749.15
1/4		1/4		1/4		1/4	4,894.53	1/4	4,537.33	1/4	4,178.57	1/4	3,819.37	1/4	3,460.18	1/4	3,100.99	1/4	2,741.66
1/2		1/2		1/2		1/2	4,887.10	1/2	4,529.87	1/2	4,171.09	1/2	3,811.89	1/2	3,452.70	1/2	3,093.50	1/2	2,734.17
3/4		3/4		3/4		3/4	4,879.68	3/4	4,522.40	3/4	4,163.60	3/4	3,804.41	3/4	3,445.21	3/4	3,086.02	3/4	2,726.69
9		9		9		9	4,872.26	9	4,514.94	9	4,156.12	9	3,796.93	9	3,437.73	9	3,078.54	9	2,719.20
1/4		1/4		1/4		1/4	4,864.84	1/4	4,507.48	1/4	4,148.64	1/4	3,789.44	1/4	3,430.25	1/4	3,071.05	1/4	2,711.71
1/2		1/2		1/2		1/2	4,857.41	1/2	4,500.02	1/2	4,141.15	1/2	3,781.96	1/2	3,422.77	1/2	3,063.57	1/2	2,704.22
3/4		3/4		3/4		3/4	4,849.99	3/4	4,492.56	3/4	4,133.67	3/4	3,774.48	3/4	3,415.28	3/4	3,056.09	3/4	2,696.74
10		10		10		10	4,842.57	10	4,485.10	10	4,126.19	10	3,766.99	10	3,407.80	10	3,048.61	10	2,689.25
1/4		1/4		1/4		1/4	4,835.15	1/4	4,477.64	1/4	4,118.70	1/4	3,759.51	1/4	3,400.32	1/4	3,041.12	1/4	2,681.76
1/2		1/2		1/2		1/2	4,827.73	1/2	4,470.17	1/2	4,111.22	1/2	3,752.03	1/2	3,392.83	1/2	3,033.64	1/2	2,674.27
3/4		3/4		3/4		3/4	4,820.31	3/4	4,462.71	3/4	4,103.74	3/4	3,744.54	3/4	3,385.35	3/4	3,026.16	3/4	2,666.79
11		11		11		11	4,812.88	11	4,455.25	11	4,096.25	11	3,737.06	11	3,377.87	11	3,018.67	11	2,659.30
1/4		1/4		1/4		1/4	4,805.46	1/4	4,447.79	1/4	4,088.77	1/4	3,729.58	1/4	3,370.38	1/4	3,011.19	1/4	2,651.81
1/2		1/2		1/2		1/2	4,798.04	1/2	4,440.33	1/2	4,081.29	1/2	3,722.09	1/2	3,362.90	1/2	3,003.71	1/2	2,644.33
3/4		3/4		3/4		3/4	4,790.62	3/4	4,432.87	3/4	4,073.80	3/4	3,714.61	3/4	3,355.42	3/4	2,996.22	3/4	2,636.84

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "KIRBY 29151"

# 2 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

GAUGE HEIGHT 17'-04"

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	2,629.35	0	2,269.97	0	1,910.58	0	1,551.19	0	1,191.81	0	846.50	0	487.43	0	128.05	0		0	
1/4	2,621.86	1/4	2,262.48	1/4	1,903.09	1/4	1,543.71	1/4	1,184.53	1/4	839.09	1/4	479.94	1/4	120.57	1/4		1/4	
1/2	2,614.38	1/2	2,254.99	1/2	1,895.61	1/2	1,536.22	1/2	1,177.26	1/2	831.68	1/2	472.45	1/2	113.08	1/2		1/2	
3/4	2,606.89	3/4	2,247.50	3/4	1,888.12	3/4	1,528.73	3/4	1,169.98	3/4	824.27	3/4	464.97	3/4	105.59	3/4		3/4	
1	2,599.40	1	2,240.02	1	1,880.63	1	1,521.25	1	1,162.71	1	816.86	1	457.48	1	98.10	1		1	
1/4	2,591.92	1/4	2,232.53	1/4	1,873.14	1/4	1,513.76	1/4	1,155.51	1/4	809.37	1/4	449.99	1/4	90.62	1/4		1/4	
1/2	2,584.43	1/2	2,225.04	1/2	1,865.66	1/2	1,506.27	1/2	1,148.30	1/2	801.88	1/2	442.51	1/2	83.13	1/2		1/2	
3/4	2,576.94	3/4	2,217.56	3/4	1,858.17	3/4	1,498.78	3/4	1,141.10	3/4	794.40	3/4	435.02	3/4	75.64	3/4		3/4	
2	2,569.45	2	2,210.07	2	1,850.68	2	1,491.30	2	1,133.89	2	786.91	2	427.53	2	68.16	2		2	
1/4	2,561.97	1/4	2,202.58	1/4	1,843.20	1/4	1,483.81	1/4	1,126.70	1/4	779.42	1/4	420.05	1/4	61.37	1/4		1/4	
1/2	2,554.48	1/2	2,195.09	1/2	1,835.71	1/2	1,476.32	1/2	1,119.51	1/2	771.93	1/2	412.56	1/2	54.59	1/2		1/2	
3/4	2,546.99	3/4	2,187.61	3/4	1,828.22	3/4	1,468.84	3/4	1,112.31	3/4	764.45	3/4	405.07	3/4	47.80	3/4		3/4	
3	2,539.51	3	2,180.12	3	1,820.73	3	1,461.35	3	1,105.12	3	756.96	3	397.58	3	41.02	3		3	
1/4	2,532.02	1/4	2,172.63	1/4	1,813.25	1/4	1,453.86	1/4	1,097.93	1/4	749.47	1/4	390.10	1/4	35.87	1/4		1/4	
1/2	2,524.53	1/2	2,165.15	1/2	1,805.76	1/2	1,446.37	1/2	1,090.74	1/2	741.99	1/2	382.61	1/2	30.72	1/2		1/2	
3/4	2,517.04	3/4	2,157.66	3/4	1,798.27	3/4	1,438.89	3/4	1,083.55	3/4	734.50	3/4	375.12	3/4	25.57	3/4		3/4	
4	2,509.56	4	2,150.17	4	1,790.79	4	1,431.40	4	1,076.36	4	727.01	4	367.64	4	20.43	4		4	
1/4	2,502.07	1/4	2,142.68	1/4	1,783.30	1/4	1,423.91	1/4	1,069.17	1/4	719.53	1/4	360.15	1/4		1/4		1/4	
1/2	2,494.58	1/2	2,135.20	1/2	1,775.81	1/2	1,416.43	1/2	1,061.99	1/2	712.04	1/2	352.66	1/2		1/2		1/2	
3/4	2,487.09	3/4	2,127.71	3/4	1,768.32	3/4	1,408.94	3/4	1,054.80	3/4	704.55	3/4	345.18	3/4		3/4		3/4	
5	2,479.61	5	2,120.22	5	1,760.84	5	1,401.45	5	1,047.62	5	697.06	5	337.69	5		5		5	
1/4	2,472.12	1/4	2,112.73	1/4	1,753.35	1/4	1,393.96	1/4	1,040.44	1/4	689.58	1/4	330.20	1/4		1/4		1/4	
1/2	2,464.63	1/2	2,105.25	1/2	1,745.86	1/2	1,386.48	1/2	1,033.25	1/2	682.09	1/2	322.71	1/2		1/2		1/2	
3/4	2,457.15	3/4	2,097.76	3/4	1,738.37	3/4	1,378.99	3/4	1,026.07	3/4	674.60	3/4	315.23	3/4		3/4		3/4	
6	2,449.66	6	2,090.27	6	1,730.89	6	1,371.50	6	1,018.89	6	667.12	6	307.74	6		6		6	
1/4	2,442.17	1/4	2,082.79	1/4	1,723.40	1/4	1,364.01	1/4	1,011.70	1/4	659.63	1/4	300.25	1/4		1/4		1/4	
1/2	2,434.68	1/2	2,075.30	1/2	1,715.91	1/2	1,356.53	1/2	1,004.52	1/2	652.14	1/2	292.77	1/2		1/2		1/2	
3/4	2,427.20	3/4	2,067.81	3/4	1,708.43	3/4	1,349.04	3/4	997.34	3/4	644.66	3/4	285.28	3/4		3/4		3/4	
7	2,419.71	7	2,060.32	7	1,700.94	7	1,341.55	7	990.16	7	637.17	7	277.79	7		7		7	
1/4	2,412.22	1/4	2,052.84	1/4	1,693.45	1/4	1,334.07	1/4	982.97	1/4	629.68	1/4	270.31	1/4		1/4		1/4	
1/2	2,404.74	1/2	2,045.35	1/2	1,685.96	1/2	1,326.58	1/2	975.79	1/2	622.19	1/2	262.82	1/2		1/2		1/2	
3/4	2,397.25	3/4	2,037.86	3/4	1,678.48	3/4	1,319.09	3/4	968.61	3/4	614.71	3/4	255.33	3/4		3/4		3/4	
8	2,389.76	8	2,030.38	8	1,670.99	8	1,311.60	8	961.43	8	607.22	8	247.84	8		8		8	
1/4	2,382.27	1/4	2,022.89	1/4	1,663.50	1/4	1,304.12	1/4	954.24	1/4	599.73	1/4	240.36	1/4		1/4		1/4	
1/2	2,374.79	1/2	2,015.40	1/2	1,656.02	1/2	1,296.63	1/2	947.06	1/2	592.25	1/2	232.87	1/2		1/2		1/2	
3/4	2,367.30	3/4	2,007.91	3/4	1,648.53	3/4	1,289.14	3/4	939.88	3/4	584.76	3/4	225.38	3/4		3/4		3/4	
9	2,359.81	9	2,000.43	9	1,641.04	9	1,281.66	9	932.69	9	577.27	9	217.90	9		9		9	
1/4	2,352.33	1/4	1,992.94	1/4	1,633.55	1/4	1,274.17	1/4	925.51	1/4	569.79	1/4	210.41	1/4		1/4		1/4	
1/2	2,344.84	1/2	1,985.45	1/2	1,626.07	1/2	1,266.68	1/2	918.33	1/2	562.30	1/2	202.92	1/2		1/2		1/2	
3/4	2,337.35	3/4	1,977.97	3/4	1,618.58	3/4	1,259.19	3/4	911.15	3/4	554.81	3/4	195.44	3/4		3/4		3/4	
10	2,329.86	10	1,970.48	10	1,611.09	10	1,251.71	10	903.96	10	547.32	10	187.95	10		10		10	
1/4	2,322.38	1/4	1,962.99	1/4	1,603.61	1/4	1,244.22	1/4	896.78	1/4	539.84	1/4	180.46	1/4		1/4		1/4	
1/2	2,314.89	1/2	1,955.50	1/2	1,596.12	1/2	1,236.73	1/2	889.60	1/2	532.35	1/2	172.97	1/2		1/2		1/2	
3/4	2,307.40	3/4	1,948.02	3/4	1,588.63	3/4	1,229.25	3/4	882.41	3/4	524.86	3/4	165.49	3/4		3/4		3/4	
11	2,299.91	11	1,940.53	11	1,581.14	11	1,221.76	11	875.23	11	517.38	11	158.00	11		11		11	
1/4	2,292.43	1/4	1,933.04	1/4	1,573.66	1/4	1,214.27	1/4	868.05	1/4	509.89	1/4	150.51	1/4		1/4		1/4	
1/2	2,284.94	1/2	1,925.55	1/2	1,566.17	1/2	1,206.78	1/2	860.87	1/2	502.40	1/2	143.03	1/2		1/2		1/2	
3/4	2,277.45	3/4	1,918.07	3/4	1,558.68	3/4	1,199.30	3/4	853.68	3/4	494.92	3/4	135.54	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 CL  
RECALCULATED: 03/21/2024 JS  
NAME CHANGE: 03/21/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

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



# BARGE "KIRBY 29151"

2 STBD

ULLAGE TABLE

"HERMETIC"

GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

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		0		0	4,793.10	0	4,435.61	0	4,076.83	0	3,717.94	0	3,359.05	0	3,000.16
1/4		1/4		1/4		1/4		1/4	4,785.69	1/4	4,428.16	1/4	4,069.36	1/4	3,710.46	1/4	3,351.57	1/4	2,992.67
1/2		1/2		1/2		1/2		1/2	4,778.27	1/2	4,420.70	1/2	4,061.88	1/2	3,702.99	1/2	3,344.10	1/2	2,985.19
3/4		3/4		3/4		3/4		3/4	4,770.85	3/4	4,413.24	3/4	4,054.40	3/4	3,695.51	3/4	3,336.62	3/4	2,977.70
1		1		1		1		1	4,763.44	1	4,405.79	1	4,046.92	1	3,688.03	1	3,329.14	1	2,970.21
1/4		1/4		1/4		1/4	5,092.04	1/4	4,756.02	1/4	4,398.32	1/4	4,039.45	1/4	3,680.56	1/4	3,321.67	1/4	2,962.73
1/2		1/2		1/2		1/2	5,087.56	1/2	4,748.61	1/2	4,390.85	1/2	4,031.97	1/2	3,673.08	1/2	3,314.19	1/2	2,955.25
3/4		3/4		3/4		3/4	5,083.08	3/4	4,741.19	3/4	4,383.38	3/4	4,024.49	3/4	3,665.60	3/4	3,306.71	3/4	2,947.77
2		2		2		2	5,078.60	2	4,733.78	2	4,375.91	2	4,017.02	2	3,658.13	2	3,299.23	2	2,940.29
1/4		1/4		1/4		1/4	5,073.05	1/4	4,726.33	1/4	4,368.43	1/4	4,009.54	1/4	3,650.65	1/4	3,291.76	1/4	2,932.81
1/2		1/2		1/2		1/2	5,067.50	1/2	4,718.89	1/2	4,360.95	1/2	4,002.06	1/2	3,643.17	1/2	3,284.28	1/2	2,925.33
3/4		3/4		3/4		3/4	5,061.95	3/4	4,711.44	3/4	4,353.48	3/4	3,994.59	3/4	3,635.69	3/4	3,276.80	3/4	2,917.85
3		3		3		3	5,056.40	3	4,704.00	3	4,346.00	3	3,987.11	3	3,628.22	3	3,269.33	3	2,910.37
1/4		1/4		1/4		1/4	5,049.78	1/4	4,696.54	1/4	4,338.52	1/4	3,979.63	1/4	3,620.74	1/4	3,261.85	1/4	2,902.89
1/2		1/2		1/2		1/2	5,043.17	1/2	4,689.09	1/2	4,331.05	1/2	3,972.16	1/2	3,613.26	1/2	3,254.37	1/2	2,895.41
3/4		3/4		3/4		3/4	5,036.55	3/4	4,681.63	3/4	4,323.57	3/4	3,964.68	3/4	3,605.79	3/4	3,246.90	3/4	2,887.93
4		4		4		4	5,029.93	4	4,674.18	4	4,316.09	4	3,957.20	4	3,598.31	4	3,239.42	4	2,880.45
1/4		1/4		1/4		1/4	5,022.64	1/4	4,666.72	1/4	4,308.62	1/4	3,949.72	1/4	3,590.83	1/4	3,231.94	1/4	2,872.96
1/2		1/2		1/2		1/2	5,015.36	1/2	4,659.27	1/2	4,301.14	1/2	3,942.25	1/2	3,583.36	1/2	3,224.47	1/2	2,865.48
3/4		3/4		3/4		3/4	5,008.07	3/4	4,651.81	3/4	4,293.66	3/4	3,934.77	3/4	3,575.88	3/4	3,216.99	3/4	2,858.00
5		5		5		5	5,000.79	5	4,644.36	5	4,286.19	5	3,927.29	5	3,568.40	5	3,209.51	5	2,850.52
1/4		1/4		1/4		1/4	4,993.37	1/4	4,636.90	1/4	4,278.71	1/4	3,919.82	1/4	3,560.93	1/4	3,202.03	1/4	2,843.04
1/2		1/2		1/2		1/2	4,985.95	1/2	4,629.45	1/2	4,271.23	1/2	3,912.34	1/2	3,553.45	1/2	3,194.56	1/2	2,835.56
3/4		3/4		3/4		3/4	4,978.53	3/4	4,621.99	3/4	4,263.75	3/4	3,904.86	3/4	3,545.97	3/4	3,187.08	3/4	2,828.08
6		6		6		6	4,971.11	6	4,614.54	6	4,256.28	6	3,897.39	6	3,538.50	6	3,179.60	6	2,820.60
1/4		1/4		1/4		1/4	4,963.69	1/4	4,607.08	1/4	4,248.80	1/4	3,889.91	1/4	3,531.02	1/4	3,172.13	1/4	2,813.12
1/2		1/2		1/2		1/2	4,956.27	1/2	4,599.62	1/2	4,241.32	1/2	3,882.43	1/2	3,523.54	1/2	3,164.65	1/2	2,805.64
3/4		3/4		3/4		3/4	4,948.85	3/4	4,592.17	3/4	4,233.85	3/4	3,874.96	3/4	3,516.06	3/4	3,157.17	3/4	2,798.16
7		7		7		7	4,941.43	7	4,584.71	7	4,226.37	7	3,867.48	7	3,508.59	7	3,149.70	7	2,790.68
1/4		1/4		1/4		1/4	4,934.01	1/4	4,577.26	1/4	4,218.89	1/4	3,860.00	1/4	3,501.11	1/4	3,142.22	1/4	2,783.19
1/2		1/2		1/2		1/2	4,926.59	1/2	4,569.80	1/2	4,211.42	1/2	3,852.53	1/2	3,493.63	1/2	3,134.74	1/2	2,775.71
3/4		3/4		3/4		3/4	4,919.17	3/4	4,562.35	3/4	4,203.94	3/4	3,845.05	3/4	3,486.16	3/4	3,127.27	3/4	2,768.23
8		8		8		8	4,911.75	8	4,554.89	8	4,196.46	8	3,837.57	8	3,478.68	8	3,119.79	8	2,760.75
1/4		1/4		1/4		1/4	4,904.34	1/4	4,547.44	1/4	4,188.99	1/4	3,830.09	1/4	3,471.20	1/4	3,112.31	1/4	2,753.27
1/2		1/2		1/2		1/2	4,896.92	1/2	4,539.98	1/2	4,181.51	1/2	3,822.62	1/2	3,463.73	1/2	3,104.84	1/2	2,745.79
3/4		3/4		3/4		3/4	4,889.50	3/4	4,532.53	3/4	4,174.03	3/4	3,815.14	3/4	3,456.25	3/4	3,097.36	3/4	2,738.31
9		9		9		9	4,882.09	9	4,525.07	9	4,166.55	9	3,807.66	9	3,448.77	9	3,089.88	9	2,730.83
1/4		1/4		1/4		1/4	4,874.67	1/4	4,517.62	1/4	4,159.08	1/4	3,800.19	1/4	3,441.30	1/4	3,082.40	1/4	2,723.35
1/2		1/2		1/2		1/2	4,867.25	1/2	4,510.16	1/2	4,151.60	1/2	3,792.71	1/2	3,433.82	1/2	3,074.93	1/2	2,715.87
3/4		3/4		3/4		3/4	4,859.84	3/4	4,502.71	3/4	4,144.12	3/4	3,785.23	3/4	3,426.34	3/4	3,067.45	3/4	2,708.39
10		10		10		10	4,852.42	10	4,495.25	10	4,136.65	10	3,777.76	10	3,418.86	10	3,059.97	10	2,700.91
1/4		1/4		1/4		1/4	4,845.01	1/4	4,487.80	1/4	4,129.17	1/4	3,770.28	1/4	3,411.39	1/4	3,052.50	1/4	2,693.43
1/2		1/2		1/2		1/2	4,837.59	1/2	4,480.34	1/2	4,121.69	1/2	3,762.80	1/2	3,403.91	1/2	3,045.02	1/2	2,685.94
3/4		3/4		3/4		3/4	4,830.18	3/4	4,472.89	3/4	4,114.22	3/4	3,755.33	3/4	3,396.43	3/4	3,037.54	3/4	2,678.46
11		11		11		11	4,822.76	11	4,465.43	11	4,106.74	11	3,747.85	11	3,388.96	11	3,030.07	11	2,670.98
1/4		1/4		1/4		1/4	4,815.35	1/4	4,457.98	1/4	4,099.26	1/4	3,740.37	1/4	3,381.48	1/4	3,022.59	1/4	2,663.50
1/2		1/2		1/2		1/2	4,807.93	1/2	4,450.52	1/2	4,091.79	1/2	3,732.89	1/2	3,374.00	1/2	3,015.11	1/2	2,656.02
3/4		3/4		3/4		3/4	4,800.52	3/4	4,443.07	3/4	4,084.31	3/4	3,725.42	3/4	3,366.53	3/4	3,007.64	3/4	2,648.54

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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" GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "KIRBY 29151"

## 2 STBD

### ULLAGE TABLE "HERMETIC"

#### GAUGE HEIGHT 17'-04"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

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	2,641.06	0	2,281.98	0	1,922.90	0	1,563.82	0	1,204.75	0	846.11	0	487.05	0	127.98	0		0	
1/4	2,633.58	1/4	2,274.50	1/4	1,915.42	1/4	1,556.34	1/4	1,197.27	1/4	838.63	1/4	479.57	1/4	120.50	1/4		1/4	
1/2	2,626.10	1/2	2,267.02	1/2	1,907.94	1/2	1,548.86	1/2	1,189.78	1/2	831.16	1/2	472.09	1/2	113.02	1/2		1/2	
3/4	2,618.62	3/4	2,259.54	3/4	1,900.46	3/4	1,541.38	3/4	1,182.30	3/4	823.68	3/4	464.61	3/4	105.54	3/4		3/4	
1	2,611.14	1	2,252.06	1	1,892.98	1	1,533.90	1	1,174.82	1	816.20	1	457.13	1	98.05	1		1	
1/4	2,603.66	1/4	2,244.58	1/4	1,885.50	1/4	1,526.42	1/4	1,167.34	1/4	808.72	1/4	449.65	1/4	90.57	1/4		1/4	
1/2	2,596.17	1/2	2,237.10	1/2	1,878.02	1/2	1,518.94	1/2	1,159.86	1/2	801.24	1/2	442.17	1/2	83.09	1/2		1/2	
3/4	2,588.69	3/4	2,229.62	3/4	1,870.54	3/4	1,511.46	3/4	1,152.38	3/4	793.76	3/4	434.69	3/4	75.61	3/4		3/4	
2	2,581.21	2	2,222.13	2	1,863.06	2	1,503.98	2	1,144.90	2	786.28	2	427.21	2	68.13	2		2	
1/4	2,573.73	1/4	2,214.65	1/4	1,855.58	1/4	1,496.50	1/4	1,137.42	1/4	778.80	1/4	419.72	1/4	61.35	1/4		1/4	
1/2	2,566.25	1/2	2,207.17	1/2	1,848.09	1/2	1,489.02	1/2	1,129.95	1/2	771.32	1/2	412.24	1/2	54.57	1/2		1/2	
3/4	2,558.77	3/4	2,199.69	3/4	1,840.61	3/4	1,481.54	3/4	1,122.47	3/4	763.84	3/4	404.76	3/4	47.79	3/4		3/4	
3	2,551.29	3	2,192.21	3	1,833.13	3	1,474.05	3	1,114.99	3	756.36	3	397.28	3	41.01	3		3	
1/4	2,543.81	1/4	2,184.73	1/4	1,825.65	1/4	1,466.57	1/4	1,107.52	1/4	748.88	1/4	389.80	1/4	35.87	1/4		1/4	
1/2	2,536.33	1/2	2,177.25	1/2	1,818.17	1/2	1,459.09	1/2	1,100.04	1/2	741.39	1/2	382.32	1/2	30.73	1/2		1/2	
3/4	2,528.85	3/4	2,169.77	3/4	1,810.69	3/4	1,451.61	3/4	1,092.57	3/4	733.91	3/4	374.84	3/4	25.59	3/4		3/4	
4	2,521.37	4	2,162.29	4	1,803.21	4	1,444.13	4	1,085.09	4	726.43	4	367.36	4	20.41	4		4	
1/4	2,513.89	1/4	2,154.81	1/4	1,795.73	1/4	1,436.65	1/4	1,077.62	1/4	718.95	1/4	359.88	1/4		1/4		1/4	
1/2	2,506.41	1/2	2,147.33	1/2	1,788.25	1/2	1,429.17	1/2	1,070.15	1/2	711.47	1/2	352.40	1/2		1/2		1/2	
3/4	2,498.92	3/4	2,139.85	3/4	1,780.77	3/4	1,421.69	3/4	1,062.68	3/4	703.99	3/4	344.92	3/4		3/4		3/4	
5	2,491.44	5	2,132.37	5	1,773.29	5	1,414.21	5	1,055.21	5	696.51	5	337.44	5		5		5	
1/4	2,483.96	1/4	2,124.88	1/4	1,765.81	1/4	1,406.73	1/4	1,047.75	1/4	689.03	1/4	329.96	1/4		1/4		1/4	
1/2	2,476.48	1/2	2,117.40	1/2	1,758.33	1/2	1,399.25	1/2	1,040.28	1/2	681.55	1/2	322.48	1/2		1/2		1/2	
3/4	2,469.00	3/4	2,109.92	3/4	1,750.84	3/4	1,391.77	3/4	1,032.81	3/4	674.07	3/4	314.99	3/4		3/4		3/4	
6	2,461.52	6	2,102.44	6	1,743.36	6	1,384.29	6	1,025.34	6	666.59	6	307.51	6		6		6	
1/4	2,454.04	1/4	2,094.96	1/4	1,735.88	1/4	1,376.80	1/4	1,017.87	1/4	659.11	1/4	300.03	1/4		1/4		1/4	
1/2	2,446.56	1/2	2,087.48	1/2	1,728.40	1/2	1,369.32	1/2	1,010.41	1/2	651.63	1/2	292.55	1/2		1/2		1/2	
3/4	2,439.08	3/4	2,080.00	3/4	1,720.92	3/4	1,361.84	3/4	1,002.94	3/4	644.15	3/4	285.07	3/4		3/4		3/4	
7	2,431.60	7	2,072.52	7	1,713.44	7	1,354.36	7	995.47	7	636.66	7	277.59	7		7		7	
1/4	2,424.12	1/4	2,065.04	1/4	1,705.96	1/4	1,346.88	1/4	988.00	1/4	629.18	1/4	270.11	1/4		1/4		1/4	
1/2	2,416.64	1/2	2,057.56	1/2	1,698.48	1/2	1,339.40	1/2	980.53	1/2	621.70	1/2	262.63	1/2		1/2		1/2	
3/4	2,409.15	3/4	2,050.08	3/4	1,691.00	3/4	1,331.92	3/4	973.07	3/4	614.22	3/4	255.15	3/4		3/4		3/4	
8	2,401.67	8	2,042.60	8	1,683.52	8	1,324.44	8	965.60	8	606.74	8	247.67	8		8		8	
1/4	2,394.19	1/4	2,035.11	1/4	1,676.04	1/4	1,316.96	1/4	958.13	1/4	599.26	1/4	240.19	1/4		1/4		1/4	
1/2	2,386.71	1/2	2,027.63	1/2	1,668.56	1/2	1,309.48	1/2	950.66	1/2	591.78	1/2	232.71	1/2		1/2		1/2	
3/4	2,379.23	3/4	2,020.15	3/4	1,661.07	3/4	1,302.00	3/4	943.19	3/4	584.30	3/4	225.23	3/4		3/4		3/4	
9	2,371.75	9	2,012.67	9	1,653.59	9	1,294.52	9	935.73	9	576.82	9	217.75	9		9		9	
1/4	2,364.27	1/4	2,005.19	1/4	1,646.11	1/4	1,287.03	1/4	928.26	1/4	569.34	1/4	210.27	1/4		1/4		1/4	
1/2	2,356.79	1/2	1,997.71	1/2	1,638.63	1/2	1,279.55	1/2	920.79	1/2	561.86	1/2	202.78	1/2		1/2		1/2	
3/4	2,349.31	3/4	1,990.23	3/4	1,631.15	3/4	1,272.07	3/4	913.32	3/4	554.38	3/4	195.30	3/4		3/4		3/4	
10	2,341.83	10	1,982.75	10	1,623.67	10	1,264.59	10	905.85	10	546.90	10	187.82	10		10		10	
1/4	2,334.35	1/4	1,975.27	1/4	1,616.19	1/4	1,257.11	1/4	898.39	1/4	539.42	1/4	180.34	1/4		1/4		1/4	
1/2	2,326.87	1/2	1,967.79	1/2	1,608.71	1/2	1,249.63	1/2	890.92	1/2	531.94	1/2	172.86	1/2		1/2		1/2	
3/4	2,319.39	3/4	1,960.31	3/4	1,601.23	3/4	1,242.15	3/4	883.45	3/4	524.45	3/4	165.38	3/4		3/4		3/4	
11	2,311.90	11	1,952.83	11	1,593.75	11	1,234.67	11	875.98	11	516.97	11	157.90	11		11		11	
1/4	2,304.42	1/4	1,945.35	1/4	1,586.27	1/4	1,227.19	1/4	868.51	1/4	509.49	1/4	150.42	1/4		1/4		1/4	
1/2	2,296.94	1/2	1,937.86	1/2	1,578.79	1/2	1,219.71	1/2	861.05	1/2	502.01	1/2	142.94	1/2		1/2		1/2	
3/4	2,289.46	3/4	1,930.38	3/4	1,571.31	3/4	1,212.23	3/4	853.58	3/4	494.53	3/4	135.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 CL  
RECALCULATED: 03/21/2024 JS  
NAME CHANGE: 03/21/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29151"

## 3 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

GAUGE HEIGHT 17'-03 1/4"

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		0		0	4,283.39	0	4,065.24	0	3,846.27	0	3,627.27	0	3,300.13	0	2,943.98
1/4		1/4		1/4		1/4		1/4	4,278.87	1/4	4,060.70	1/4	3,841.71	1/4	3,622.70	1/4	3,292.73	1/4	2,936.56
1/2		1/2		1/2		1/2	4,472.22	1/2	4,274.35	1/2	4,056.14	1/2	3,837.14	1/2	3,618.14	1/2	3,285.32	1/2	2,929.14
3/4		3/4		3/4		3/4	4,470.37	3/4	4,269.83	3/4	4,051.58	3/4	3,832.58	3/4	3,613.58	3/4	3,277.92	3/4	2,921.71
1		1		1		1	4,468.53	1	4,265.31	1	4,047.02	1	3,828.02	1	3,609.01	1	3,270.52	1	2,914.29
1/4		1/4		1/4		1/4	4,466.68	1/4	4,260.79	1/4	4,042.46	1/4	3,823.46	1/4	3,604.45	1/4	3,263.12	1/4	2,906.86
1/2		1/2		1/2		1/2	4,464.02	1/2	4,256.25	1/2	4,037.90	1/2	3,818.89	1/2	3,599.89	1/2	3,255.70	1/2	2,899.44
3/4		3/4		3/4		3/4	4,461.36	3/4	4,251.70	3/4	4,033.34	3/4	3,814.33	3/4	3,595.33	3/4	3,248.29	3/4	2,892.01
2		2		2		2	4,458.69	2	4,247.16	2	4,028.77	2	3,809.77	2	3,590.76	2	3,240.87	2	2,884.59
1/4		1/4		1/4		1/4	4,456.03	1/4	4,242.62	1/4	4,024.21	1/4	3,805.21	1/4	3,586.20	1/4	3,233.46	1/4	2,877.16
1/2		1/2		1/2		1/2	4,452.31	1/2	4,238.07	1/2	4,019.65	1/2	3,800.64	1/2	3,579.48	1/2	3,226.03	1/2	2,869.74
3/4		3/4		3/4		3/4	4,448.58	3/4	4,233.52	3/4	4,015.09	3/4	3,796.08	3/4	3,572.76	3/4	3,218.61	3/4	2,862.31
3		3		3		3	4,444.86	3	4,228.98	3	4,010.52	3	3,791.52	3	3,566.03	3	3,211.19	3	2,854.89
1/4		1/4		1/4		1/4	4,441.13	1/4	4,224.43	1/4	4,005.96	1/4	3,786.96	1/4	3,559.31	1/4	3,203.77	1/4	2,847.46
1/2		1/2		1/2		1/2	4,436.74	1/2	4,219.88	1/2	4,001.40	1/2	3,782.39	1/2	3,551.89	1/2	3,196.34	1/2	2,840.04
3/4		3/4		3/4		3/4	4,432.35	3/4	4,215.33	3/4	3,996.84	3/4	3,777.83	3/4	3,544.47	3/4	3,188.92	3/4	2,832.61
4		4		4		4	4,427.96	4	4,210.78	4	3,992.27	4	3,773.27	4	3,537.05	4	3,181.50	4	2,825.19
1/4		1/4		1/4		1/4	4,423.57	1/4	4,206.24	1/4	3,987.71	1/4	3,768.71	1/4	3,529.63	1/4	3,174.08	1/4	2,817.76
1/2		1/2		1/2		1/2	4,419.05	1/2	4,201.69	1/2	3,983.15	1/2	3,764.14	1/2	3,522.22	1/2	3,166.66	1/2	2,810.34
3/4		3/4		3/4		3/4	4,414.52	3/4	4,197.14	3/4	3,978.59	3/4	3,759.58	3/4	3,514.80	3/4	3,159.23	3/4	2,802.91
5		5		5		5	4,410.00	5	4,192.59	5	3,974.02	5	3,755.02	5	3,507.39	5	3,151.81	5	2,795.49
1/4		1/4		1/4		1/4	4,405.48	1/4	4,188.04	1/4	3,969.46	1/4	3,750.46	1/4	3,499.98	1/4	3,144.39	1/4	2,788.06
1/2		1/2		1/2		1/2	4,400.95	1/2	4,183.50	1/2	3,964.90	1/2	3,745.89	1/2	3,492.57	1/2	3,136.97	1/2	2,780.64
3/4		3/4		3/4		3/4	4,396.43	3/4	4,178.95	3/4	3,960.34	3/4	3,741.33	3/4	3,485.17	3/4	3,129.54	3/4	2,773.21
6		6		6		6	4,391.91	6	4,174.40	6	3,955.77	6	3,736.77	6	3,477.76	6	3,122.12	6	2,765.79
1/4		1/4		1/4		1/4	4,387.38	1/4	4,169.85	1/4	3,951.21	1/4	3,732.21	1/4	3,470.36	1/4	3,114.70	1/4	2,758.37
1/2		1/2		1/2		1/2	4,382.86	1/2	4,165.30	1/2	3,946.65	1/2	3,727.64	1/2	3,462.96	1/2	3,107.28	1/2	2,750.94
3/4		3/4		3/4		3/4	4,378.34	3/4	4,160.75	3/4	3,942.08	3/4	3,723.08	3/4	3,455.56	3/4	3,099.86	3/4	2,743.52
7		7		7		7	4,373.81	7	4,156.21	7	3,937.52	7	3,718.52	7	3,448.16	7	3,092.43	7	2,736.09
1/4		1/4		1/4		1/4	4,369.29	1/4	4,151.66	1/4	3,932.96	1/4	3,713.95	1/4	3,440.75	1/4	3,085.01	1/4	2,728.67
1/2		1/2		1/2		1/2	4,364.77	1/2	4,147.11	1/2	3,928.40	1/2	3,709.39	1/2	3,433.35	1/2	3,077.59	1/2	2,721.24
3/4		3/4		3/4		3/4	4,360.25	3/4	4,142.56	3/4	3,923.83	3/4	3,704.83	3/4	3,425.95	3/4	3,070.17	3/4	2,713.82
8		8		8		8	4,355.72	8	4,138.01	8	3,919.27	8	3,700.27	8	3,418.55	8	3,062.74	8	2,706.39
1/4		1/4		1/4		1/4	4,351.20	1/4	4,133.47	1/4	3,914.71	1/4	3,695.70	1/4	3,411.15	1/4	3,055.32	1/4	2,698.97
1/2		1/2		1/2		1/2	4,346.68	1/2	4,128.92	1/2	3,910.15	1/2	3,691.14	1/2	3,403.75	1/2	3,047.90	1/2	2,691.54
3/4		3/4		3/4		3/4	4,342.16	3/4	4,124.37	3/4	3,905.58	3/4	3,686.58	3/4	3,396.35	3/4	3,040.48	3/4	2,684.12
9		9		9		9	4,337.64	9	4,119.82	9	3,901.02	9	3,682.02	9	3,388.94	9	3,033.06	9	2,676.69
1/4		1/4		1/4		1/4	4,333.12	1/4	4,115.27	1/4	3,896.46	1/4	3,677.45	1/4	3,381.54	1/4	3,025.63	1/4	2,669.27
1/2		1/2		1/2		1/2	4,328.60	1/2	4,110.73	1/2	3,891.90	1/2	3,672.89	1/2	3,374.14	1/2	3,018.21	1/2	2,661.84
3/4		3/4		3/4		3/4	4,324.08	3/4	4,106.18	3/4	3,887.33	3/4	3,668.33	3/4	3,366.74	3/4	3,010.79	3/4	2,654.42
10		10		10		10	4,319.56	10	4,101.63	10	3,882.77	10	3,663.77	10	3,359.34	10	3,003.37	10	2,646.99
1/4		1/4		1/4		1/4	4,315.04	1/4	4,097.08	1/4	3,878.21	1/4	3,659.20	1/4	3,351.94	1/4	2,995.95	1/4	2,639.57
1/2		1/2		1/2		1/2	4,310.52	1/2	4,092.53	1/2	3,873.65	1/2	3,654.64	1/2	3,344.54	1/2	2,988.52	1/2	2,632.14
3/4		3/4		3/4		3/4	4,306.00	3/4	4,087.99	3/4	3,869.08	3/4	3,650.08	3/4	3,337.13	3/4	2,981.10	3/4	2,624.72
11		11		11		11	4,301.47	11	4,083.44	11	3,864.52	11	3,645.52	11	3,329.73	11	2,973.68	11	2,617.29
1/4		1/4		1/4		1/4	4,296.95	1/4	4,078.89	1/4	3,859.96	1/4	3,640.95	1/4	3,322.33	1/4	2,966.26	1/4	2,609.87
1/2		1/2		1/2		1/2	4,292.43	1/2	4,074.34	1/2	3,855.40	1/2	3,636.39	1/2	3,314.93	1/2	2,958.83	1/2	2,602.44
3/4		3/4		3/4		3/4	4,287.91	3/4	4,069.79	3/4	3,850.83	3/4	3,631.83	3/4	3,307.53	3/4	2,951.41	3/4	2,595.01

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29151"

## 3 PORT ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

GAUGE HEIGHT 17'-03 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	2,587.58	0	2,232.20	0	1,878.33	0	1,521.60	0	1,165.33	0	818.85	0	461.97	0	105.04	0		0	
1/4	2,580.15	1/4	2,224.83	1/4	1,870.92	1/4	1,514.17	1/4	1,158.06	1/4	811.47	1/4	454.53	1/4	97.60	1/4		1/4	
1/2	2,572.72	1/2	2,217.46	1/2	1,863.48	1/2	1,506.74	1/2	1,150.83	1/2	804.04	1/2	447.10	1/2	90.15	1/2		1/2	
3/4	2,565.28	3/4	2,210.09	3/4	1,856.05	3/4	1,499.31	3/4	1,143.61	3/4	796.60	3/4	439.66	3/4	82.70	3/4		3/4	
1	2,557.85	1	2,202.72	1	1,848.62	1	1,491.87	1	1,136.39	1	789.17	1	432.23	1	75.26	1		1	
1/4	2,550.42	1/4	2,195.35	1/4	1,841.19	1/4	1,484.44	1/4	1,129.17	1/4	781.73	1/4	424.79	1/4	67.81	1/4		1/4	
1/2	2,542.99	1/2	2,187.98	1/2	1,833.76	1/2	1,477.01	1/2	1,121.95	1/2	774.29	1/2	417.36	1/2	61.06	1/2		1/2	
3/4	2,535.56	3/4	2,180.61	3/4	1,826.32	3/4	1,469.58	3/4	1,114.74	3/4	766.86	3/4	409.92	3/4	54.31	3/4		3/4	
2	2,528.12	2	2,173.24	2	1,818.89	2	1,462.15	2	1,107.53	2	759.42	2	402.49	2	47.56	2		2	
1/4	2,520.69	1/4	2,165.87	1/4	1,811.46	1/4	1,454.71	1/4	1,100.32	1/4	751.98	1/4	395.05	1/4	40.81	1/4		1/4	
1/2	2,513.26	1/2	2,158.50	1/2	1,804.03	1/2	1,447.28	1/2	1,093.11	1/2	744.55	1/2	387.62	1/2	35.69	1/2		1/2	
3/4	2,505.83	3/4	2,151.13	3/4	1,796.59	3/4	1,439.85	3/4	1,085.90	3/4	737.11	3/4	380.18	3/4	30.57	3/4		3/4	
3	2,498.40	3	2,143.76	3	1,789.16	3	1,432.42	3	1,078.69	3	729.67	3	372.75	3	25.45	3		3	
1/4	2,490.96	1/4	2,136.39	1/4	1,781.73	1/4	1,424.98	1/4	1,071.48	1/4	722.24	1/4	365.31	1/4	20.33	1/4		1/4	
1/2	2,483.56	1/2	2,129.02	1/2	1,774.30	1/2	1,417.55	1/2	1,064.27	1/2	714.80	1/2	357.88	1/2		1/2		1/2	
3/4	2,476.16	3/4	2,121.65	3/4	1,766.87	3/4	1,410.12	3/4	1,057.07	3/4	707.37	3/4	350.44	3/4		3/4		3/4	
4	2,468.75	4	2,114.29	4	1,759.43	4	1,402.69	4	1,049.86	4	699.93	4	343.01	4		4		4	
1/4	2,461.35	1/4	2,106.92	1/4	1,752.00	1/4	1,395.26	1/4	1,042.66	1/4	692.49	1/4	335.57	1/4		1/4		1/4	
1/2	2,453.96	1/2	2,099.55	1/2	1,744.57	1/2	1,387.82	1/2	1,035.45	1/2	685.06	1/2	328.14	1/2		1/2		1/2	
3/4	2,446.56	3/4	2,092.18	3/4	1,737.14	3/4	1,380.39	3/4	1,028.25	3/4	677.62	3/4	320.70	3/4		3/4		3/4	
5	2,439.17	5	2,084.81	5	1,729.70	5	1,372.96	5	1,021.05	5	670.18	5	313.27	5		5		5	
1/4	2,431.78	1/4	2,077.44	1/4	1,722.27	1/4	1,365.53	1/4	1,013.85	1/4	662.75	1/4	305.83	1/4		1/4		1/4	
1/2	2,424.38	1/2	2,070.07	1/2	1,714.84	1/2	1,358.09	1/2	1,006.64	1/2	655.31	1/2	298.40	1/2		1/2		1/2	
3/4	2,416.99	3/4	2,062.70	3/4	1,707.41	3/4	1,350.66	3/4	999.44	3/4	647.87	3/4	290.96	3/4		3/4		3/4	
6	2,409.60	6	2,055.33	6	1,699.98	6	1,343.23	6	992.24	6	640.44	6	283.53	6		6		6	
1/4	2,402.20	1/4	2,047.96	1/4	1,692.54	1/4	1,335.80	1/4	985.04	1/4	633.00	1/4	276.09	1/4		1/4		1/4	
1/2	2,394.81	1/2	2,040.59	1/2	1,685.11	1/2	1,328.37	1/2	977.83	1/2	625.56	1/2	268.66	1/2		1/2		1/2	
3/4	2,387.41	3/4	2,033.22	3/4	1,677.68	3/4	1,320.93	3/4	970.63	3/4	618.13	3/4	261.22	3/4		3/4		3/4	
7	2,380.02	7	2,025.85	7	1,670.25	7	1,313.50	7	963.43	7	610.69	7	253.79	7		7		7	
1/4	2,372.63	1/4	2,018.48	1/4	1,662.82	1/4	1,306.07	1/4	956.22	1/4	603.26	1/4	246.35	1/4		1/4		1/4	
1/2	2,365.23	1/2	2,011.12	1/2	1,655.38	1/2	1,298.64	1/2	949.02	1/2	595.82	1/2	238.92	1/2		1/2		1/2	
3/4	2,357.84	3/4	2,003.75	3/4	1,647.95	3/4	1,291.21	3/4	941.82	3/4	588.38	3/4	231.48	3/4		3/4		3/4	
8	2,350.45	8	1,996.38	8	1,640.52	8	1,283.77	8	934.62	8	580.95	8	224.05	8		8		8	
1/4	2,343.05	1/4	1,989.01	1/4	1,633.09	1/4	1,276.34	1/4	927.41	1/4	573.51	1/4	216.61	1/4		1/4		1/4	
1/2	2,335.66	1/2	1,981.64	1/2	1,625.65	1/2	1,268.91	1/2	920.21	1/2	566.07	1/2	209.17	1/2		1/2		1/2	
3/4	2,328.26	3/4	1,974.27	3/4	1,618.22	3/4	1,261.48	3/4	913.01	3/4	558.64	3/4	201.74	3/4		3/4		3/4	
9	2,320.87	9	1,966.90	9	1,610.79	9	1,254.04	9	905.81	9	551.20	9	194.30	9		9		9	
1/4	2,313.48	1/4	1,959.53	1/4	1,603.36	1/4	1,246.61	1/4	898.60	1/4	543.76	1/4	186.86	1/4		1/4		1/4	
1/2	2,306.08	1/2	1,952.16	1/2	1,595.93	1/2	1,239.18	1/2	891.40	1/2	536.33	1/2	179.43	1/2		1/2		1/2	
3/4	2,298.69	3/4	1,944.79	3/4	1,588.49	3/4	1,231.75	3/4	884.20	3/4	528.89	3/4	171.99	3/4		3/4		3/4	
10	2,291.30	10	1,937.42	10	1,581.06	10	1,224.32	10	876.99	10	521.46	10	164.55	10		10		10	
1/4	2,283.90	1/4	1,930.05	1/4	1,573.63	1/4	1,216.88	1/4	869.79	1/4	514.02	1/4	157.12	1/4		1/4		1/4	
1/2	2,276.51	1/2	1,922.68	1/2	1,566.20	1/2	1,209.45	1/2	862.59	1/2	506.58	1/2	149.68	1/2		1/2		1/2	
3/4	2,269.12	3/4	1,915.31	3/4	1,558.76	3/4	1,202.02	3/4	855.39	3/4	499.15	3/4	142.24	3/4		3/4		3/4	
11	2,261.72	11	1,907.95	11	1,551.33	11	1,194.59	11	848.18	11	491.71	11	134.80	11		11		11	
1/4	2,254.33	1/4	1,900.58	1/4	1,543.90	1/4	1,187.15	1/4	840.98	1/4	484.27	1/4	127.36	1/4		1/4		1/4	
1/2	2,246.95	1/2	1,893.16	1/2	1,536.47	1/2	1,179.88	1/2	833.60	1/2	476.84	1/2	119.92	1/2		1/2		1/2	
3/4	2,239.58	3/4	1,885.75	3/4	1,529.04	3/4	1,172.61	3/4	826.23	3/4	469.40	3/4	112.48	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 CL  
RECALCULATED: 03/21/2024 JS  
NAME CHANGE: 03/21/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29151"

## 3 STBD

### ULLAGE TABLE

### "HERMETIC"

### GAUGE HEIGHT 17'-03 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

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		0		0	4,316.48	0	4,098.29	0	3,879.24	0	3,660.14	0	3,338.06	0	2,980.97
1/4		1/4		1/4		1/4		1/4	4,311.95	1/4	4,093.74	1/4	3,874.67	1/4	3,655.57	1/4	3,330.64	1/4	2,973.53
1/2		1/2		1/2		1/2		1/2	4,307.43	1/2	4,089.19	1/2	3,870.11	1/2	3,651.01	1/2	3,323.22	1/2	2,966.08
3/4		3/4		3/4		3/4		3/4	4,302.91	3/4	4,084.64	3/4	3,865.54	3/4	3,646.44	3/4	3,315.80	3/4	2,958.64
1		1		1		1	4,496.35	1	4,298.39	1	4,080.07	1	3,860.98	1	3,641.88	1	3,308.38	1	2,951.19
1/4		1/4		1/4		1/4	4,494.50	1/4	4,293.86	1/4	4,075.51	1/4	3,856.41	1/4	3,637.31	1/4	3,300.95	1/4	2,943.75
1/2		1/2		1/2		1/2	4,492.66	1/2	4,289.34	1/2	4,070.95	1/2	3,851.85	1/2	3,632.75	1/2	3,293.53	1/2	2,936.30
3/4		3/4		3/4		3/4	4,490.81	3/4	4,284.82	3/4	4,066.39	3/4	3,847.29	3/4	3,628.18	3/4	3,286.11	3/4	2,928.85
2		2		2		2	4,488.15	2	4,280.27	2	4,061.82	2	3,842.72	2	3,623.62	2	3,278.67	2	2,921.41
1/4		1/4		1/4		1/4	4,485.48	1/4	4,275.73	1/4	4,057.26	1/4	3,838.16	1/4	3,619.06	1/4	3,271.23	1/4	2,913.96
1/2		1/2		1/2		1/2	4,482.82	1/2	4,271.18	1/2	4,052.69	1/2	3,833.59	1/2	3,614.49	1/2	3,263.80	1/2	2,906.52
3/4		3/4		3/4		3/4	4,480.16	3/4	4,266.64	3/4	4,048.13	3/4	3,829.03	3/4	3,609.93	3/4	3,256.36	3/4	2,899.07
3		3		3		3	4,476.43	3	4,262.09	3	4,043.56	3	3,824.46	3	3,603.20	3	3,248.92	3	2,891.63
1/4		1/4		1/4		1/4	4,472.70	1/4	4,257.54	1/4	4,039.00	1/4	3,819.90	1/4	3,596.47	1/4	3,241.47	1/4	2,884.18
1/2		1/2		1/2		1/2	4,468.97	1/2	4,252.99	1/2	4,034.43	1/2	3,815.33	1/2	3,589.75	1/2	3,234.03	1/2	2,876.74
3/4		3/4		3/4		3/4	4,465.25	3/4	4,248.44	3/4	4,029.87	3/4	3,810.77	3/4	3,583.02	3/4	3,226.59	3/4	2,869.29
4		4		4		4	4,460.85	4	4,243.89	4	4,025.30	4	3,806.20	4	3,575.59	4	3,219.14	4	2,861.84
1/4		1/4		1/4		1/4	4,456.46	1/4	4,239.34	1/4	4,020.74	1/4	3,801.64	1/4	3,568.16	1/4	3,211.70	1/4	2,854.40
1/2		1/2		1/2		1/2	4,452.07	1/2	4,234.79	1/2	4,016.18	1/2	3,797.07	1/2	3,560.74	1/2	3,204.26	1/2	2,846.95
3/4		3/4		3/4		3/4	4,447.67	3/4	4,230.24	3/4	4,011.61	3/4	3,792.51	3/4	3,553.31	3/4	3,196.82	3/4	2,839.51
5		5		5		5	4,443.15	5	4,225.69	5	4,007.05	5	3,787.95	5	3,545.89	5	3,189.37	5	2,832.06
1/4		1/4		1/4		1/4	4,438.62	1/4	4,221.14	1/4	4,002.48	1/4	3,783.38	1/4	3,538.46	1/4	3,181.93	1/4	2,824.62
1/2		1/2		1/2		1/2	4,434.10	1/2	4,216.59	1/2	3,997.92	1/2	3,778.82	1/2	3,531.04	1/2	3,174.49	1/2	2,817.17
3/4		3/4		3/4		3/4	4,429.57	3/4	4,212.04	3/4	3,993.35	3/4	3,774.25	3/4	3,523.62	3/4	3,167.04	3/4	2,809.72
6		6		6		6	4,425.05	6	4,207.49	6	3,988.79	6	3,769.69	6	3,516.20	6	3,159.60	6	2,802.28
1/4		1/4		1/4		1/4	4,420.52	1/4	4,202.94	1/4	3,984.22	1/4	3,765.12	1/4	3,508.77	1/4	3,152.16	1/4	2,794.83
1/2		1/2		1/2		1/2	4,416.00	1/2	4,198.39	1/2	3,979.66	1/2	3,760.56	1/2	3,501.35	1/2	3,144.72	1/2	2,787.39
3/4		3/4		3/4		3/4	4,411.47	3/4	4,193.84	3/4	3,975.09	3/4	3,755.99	3/4	3,493.93	3/4	3,137.27	3/4	2,779.94
7		7		7		7	4,406.94	7	4,189.29	7	3,970.53	7	3,751.43	7	3,486.51	7	3,129.83	7	2,772.50
1/4		1/4		1/4		1/4	4,402.42	1/4	4,184.74	1/4	3,965.97	1/4	3,746.86	1/4	3,479.09	1/4	3,122.39	1/4	2,765.05
1/2		1/2		1/2		1/2	4,397.89	1/2	4,180.19	1/2	3,961.40	1/2	3,742.30	1/2	3,471.66	1/2	3,114.94	1/2	2,757.61
3/4		3/4		3/4		3/4	4,393.37	3/4	4,175.64	3/4	3,956.84	3/4	3,737.74	3/4	3,464.24	3/4	3,107.50	3/4	2,750.16
8		8		8		8	4,388.84	8	4,171.09	8	3,952.27	8	3,733.17	8	3,456.82	8	3,100.06	8	2,742.71
1/4		1/4		1/4		1/4	4,384.32	1/4	4,166.54	1/4	3,947.71	1/4	3,728.61	1/4	3,449.40	1/4	3,092.61	1/4	2,735.27
1/2		1/2		1/2		1/2	4,379.80	1/2	4,161.99	1/2	3,943.14	1/2	3,724.04	1/2	3,441.97	1/2	3,085.17	1/2	2,727.82
3/4		3/4		3/4		3/4	4,375.27	3/4	4,157.44	3/4	3,938.58	3/4	3,719.48	3/4	3,434.55	3/4	3,077.73	3/4	2,720.38
9		9		9		9	4,370.75	9	4,152.89	9	3,934.01	9	3,714.91	9	3,427.13	9	3,070.29	9	2,712.93
1/4		1/4		1/4		1/4	4,366.23	1/4	4,148.34	1/4	3,929.45	1/4	3,710.35	1/4	3,419.71	1/4	3,062.84	1/4	2,705.49
1/2		1/2		1/2		1/2	4,361.70	1/2	4,143.79	1/2	3,924.88	1/2	3,705.78	1/2	3,412.29	1/2	3,055.40	1/2	2,698.04
3/4		3/4		3/4		3/4	4,357.18	3/4	4,139.24	3/4	3,920.32	3/4	3,701.22	3/4	3,404.86	3/4	3,047.96	3/4	2,690.60
10		10		10		10	4,352.66	10	4,134.69	10	3,915.75	10	3,696.65	10	3,397.44	10	3,040.51	10	2,683.15
1/4		1/4		1/4		1/4	4,348.14	1/4	4,130.14	1/4	3,911.19	1/4	3,692.09	1/4	3,390.02	1/4	3,033.07	1/4	2,675.70
1/2		1/2		1/2		1/2	4,343.61	1/2	4,125.59	1/2	3,906.63	1/2	3,687.52	1/2	3,382.60	1/2	3,025.63	1/2	2,668.26
3/4		3/4		3/4		3/4	4,339.09	3/4	4,121.04	3/4	3,902.06	3/4	3,682.96	3/4	3,375.18	3/4	3,018.19	3/4	2,660.81
11		11		11		11	4,334.57	11	4,116.49	11	3,897.50	11	3,678.40	11	3,367.75	11	3,010.74	11	2,653.37
1/4		1/4		1/4		1/4	4,330.04	1/4	4,111.94	1/4	3,892.93	1/4	3,673.83	1/4	3,360.33	1/4	3,003.30	1/4	2,645.92
1/2		1/2		1/2		1/2	4,325.52	1/2	4,107.39	1/2	3,888.37	1/2	3,669.27	1/2	3,352.91	1/2	2,995.86	1/2	2,638.48
3/4		3/4		3/4		3/4	4,321.00	3/4	4,102.84	3/4	3,883.80	3/4	3,664.70	3/4	3,345.49	3/4	2,988.41	3/4	2,631.03

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29151"

## 3 STBD

### ULLAGE TABLE "HERMETIC"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30057"

GAUGE HEIGHT 17'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,623.58	0	2,265.85	0	1,908.12	0	1,550.38	0	1,192.65	0	835.45	0	477.74	0	120.02	0		0	
1/4	2,616.13	1/4	2,258.40	1/4	1,900.66	1/4	1,542.93	1/4	1,185.19	1/4	828.01	1/4	470.29	1/4	112.57	1/4		1/4	
1/2	2,608.68	1/2	2,250.95	1/2	1,893.21	1/2	1,535.48	1/2	1,177.74	1/2	820.56	1/2	462.84	1/2	105.11	1/2		1/2	
3/4	2,601.23	3/4	2,243.49	3/4	1,885.76	3/4	1,528.02	3/4	1,170.29	3/4	813.11	3/4	455.38	3/4	97.66	3/4		3/4	
1	2,593.77	1	2,236.04	1	1,878.31	1	1,520.57	1	1,162.84	1	805.66	1	447.93	1	90.21	1		1	
1/4	2,586.32	1/4	2,228.59	1/4	1,870.85	1/4	1,513.12	1/4	1,155.38	1/4	798.20	1/4	440.48	1/4	82.75	1/4		1/4	
1/2	2,578.87	1/2	2,221.13	1/2	1,863.40	1/2	1,505.67	1/2	1,147.93	1/2	790.75	1/2	433.03	1/2	75.30	1/2		1/2	
3/4	2,571.42	3/4	2,213.68	3/4	1,855.95	3/4	1,498.21	3/4	1,140.48	3/4	783.30	3/4	425.57	3/4	67.85	3/4		3/4	
2	2,563.96	2	2,206.23	2	1,848.49	2	1,490.76	2	1,133.03	2	775.85	2	418.12	2	61.10	2		2	
1/4	2,556.51	1/4	2,198.78	1/4	1,841.04	1/4	1,483.31	1/4	1,125.58	1/4	768.39	1/4	410.67	1/4	54.34	1/4		1/4	
1/2	2,549.06	1/2	2,191.32	1/2	1,833.59	1/2	1,475.85	1/2	1,118.14	1/2	760.94	1/2	403.22	1/2	47.59	1/2		1/2	
3/4	2,541.60	3/4	2,183.87	3/4	1,826.14	3/4	1,468.40	3/4	1,110.69	3/4	753.49	3/4	395.76	3/4	40.83	3/4		3/4	
3	2,534.15	3	2,176.42	3	1,818.68	3	1,460.95	3	1,103.25	3	746.04	3	388.31	3	35.71	3		3	
1/4	2,526.70	1/4	2,168.96	1/4	1,811.23	1/4	1,453.50	1/4	1,095.80	1/4	738.58	1/4	380.86	1/4	30.59	1/4		1/4	
1/2	2,519.25	1/2	2,161.51	1/2	1,803.78	1/2	1,446.04	1/2	1,088.36	1/2	731.13	1/2	373.41	1/2	25.46	1/2		1/2	
3/4	2,511.79	3/4	2,154.06	3/4	1,796.32	3/4	1,438.59	3/4	1,080.91	3/4	723.68	3/4	365.95	3/4	20.34	3/4		3/4	
4	2,504.34	4	2,146.61	4	1,788.87	4	1,431.14	4	1,073.47	4	716.23	4	358.50	4		4		4	
1/4	2,496.89	1/4	2,139.15	1/4	1,781.42	1/4	1,423.68	1/4	1,066.03	1/4	708.77	1/4	351.05	1/4		1/4		1/4	
1/2	2,489.43	1/2	2,131.70	1/2	1,773.97	1/2	1,416.23	1/2	1,058.59	1/2	701.32	1/2	343.60	1/2		1/2		1/2	
3/4	2,481.98	3/4	2,124.25	3/4	1,766.51	3/4	1,408.78	3/4	1,051.15	3/4	693.87	3/4	336.14	3/4		3/4		3/4	
5	2,474.53	5	2,116.79	5	1,759.06	5	1,401.33	5	1,043.71	5	686.42	5	328.69	5		5		5	
1/4	2,467.08	1/4	2,109.34	1/4	1,751.61	1/4	1,393.87	1/4	1,036.28	1/4	678.96	1/4	321.24	1/4		1/4		1/4	
1/2	2,459.62	1/2	2,101.89	1/2	1,744.15	1/2	1,386.42	1/2	1,028.84	1/2	671.51	1/2	313.79	1/2		1/2		1/2	
3/4	2,452.17	3/4	2,094.44	3/4	1,736.70	3/4	1,378.97	3/4	1,021.40	3/4	664.06	3/4	306.33	3/4		3/4		3/4	
6	2,444.72	6	2,086.98	6	1,729.25	6	1,371.51	6	1,013.96	6	656.60	6	298.88	6		6		6	
1/4	2,437.27	1/4	2,079.53	1/4	1,721.80	1/4	1,364.06	1/4	1,006.53	1/4	649.15	1/4	291.43	1/4		1/4		1/4	
1/2	2,429.81	1/2	2,072.08	1/2	1,714.34	1/2	1,356.61	1/2	999.09	1/2	641.70	1/2	283.97	1/2		1/2		1/2	
3/4	2,422.36	3/4	2,064.63	3/4	1,706.89	3/4	1,349.16	3/4	991.65	3/4	634.25	3/4	276.52	3/4		3/4		3/4	
7	2,414.91	7	2,057.17	7	1,699.44	7	1,341.70	7	984.21	7	626.79	7	269.07	7		7		7	
1/4	2,407.45	1/4	2,049.72	1/4	1,691.99	1/4	1,334.25	1/4	976.78	1/4	619.34	1/4	261.62	1/4		1/4		1/4	
1/2	2,400.00	1/2	2,042.27	1/2	1,684.53	1/2	1,326.80	1/2	969.34	1/2	611.89	1/2	254.16	1/2		1/2		1/2	
3/4	2,392.55	3/4	2,034.81	3/4	1,677.08	3/4	1,319.35	3/4	961.90	3/4	604.44	3/4	246.71	3/4		3/4		3/4	
8	2,385.10	8	2,027.36	8	1,669.63	8	1,311.89	8	954.46	8	596.98	8	239.26	8		8		8	
1/4	2,377.64	1/4	2,019.91	1/4	1,662.17	1/4	1,304.44	1/4	947.03	1/4	589.53	1/4	231.81	1/4		1/4		1/4	
1/2	2,370.19	1/2	2,012.46	1/2	1,654.72	1/2	1,296.99	1/2	939.59	1/2	582.08	1/2	224.35	1/2		1/2		1/2	
3/4	2,362.74	3/4	2,005.00	3/4	1,647.27	3/4	1,289.53	3/4	932.15	3/4	574.63	3/4	216.90	3/4		3/4		3/4	
9	2,355.28	9	1,997.55	9	1,639.82	9	1,282.08	9	924.71	9	567.17	9	209.45	9		9		9	
1/4	2,347.83	1/4	1,990.10	1/4	1,632.36	1/4	1,274.63	1/4	917.28	1/4	559.72	1/4	202.00	1/4		1/4		1/4	
1/2	2,340.38	1/2	1,982.64	1/2	1,624.91	1/2	1,267.18	1/2	909.84	1/2	552.27	1/2	194.54	1/2		1/2		1/2	
3/4	2,332.93	3/4	1,975.19	3/4	1,617.46	3/4	1,259.72	3/4	902.40	3/4	544.82	3/4	187.09	3/4		3/4		3/4	
10	2,325.47	10	1,967.74	10	1,610.00	10	1,252.27	10	894.96	10	537.36	10	179.64	10		10		10	
1/4	2,318.02	1/4	1,960.29	1/4	1,602.55	1/4	1,244.82	1/4	887.53	1/4	529.91	1/4	172.19	1/4		1/4		1/4	
1/2	2,310.57	1/2	1,952.83	1/2	1,595.10	1/2	1,237.36	1/2	880.09	1/2	522.46	1/2	164.73	1/2		1/2		1/2	
3/4	2,303.11	3/4	1,945.38	3/4	1,587.65	3/4	1,229.91	3/4	872.65	3/4	515.01	3/4	157.28	3/4		3/4		3/4	
11	2,295.66	11	1,937.93	11	1,580.19	11	1,222.46	11	865.21	11	507.55	11	149.83	11		11		11	
1/4	2,288.21	1/4	1,930.47	1/4	1,572.74	1/4	1,215.01	1/4	857.78	1/4	500.10	1/4	142.38	1/4		1/4		1/4	
1/2	2,280.76	1/2	1,923.02	1/2	1,565.29	1/2	1,207.55	1/2	850.34	1/2	492.65	1/2	134.92	1/2		1/2		1/2	
3/4	2,273.30	3/4	1,915.57	3/4	1,557.83	3/4	1,200.10	3/4	842.90	3/4	485.20	3/4	127.47	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2014 CL  
RECALCULATED: 03/21/2024 JS  
NAME CHANGE: 03/21/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "KIRBY 29151"

## SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "SMI 30057"

GAUGE HEIGHT 5'-08 1/2"

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	433	0	1,021	0	1,641	0	2,206	0		0		0		0		0	
1/4	5	1/4	444	1/4	1,034	1/4	1,653	1/4	2,216	1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	456	1/2	1,047	1/2	1,666	1/2	2,227	1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	467	3/4	1,060	3/4	1,678	3/4	2,237	3/4		3/4		3/4		3/4		3/4	
1	21	1	479	1	1,073	1	1,691	1	2,247	1		1		1		1		1	
1/4	28	1/4	490	1/4	1,086	1/4	1,703	1/4	2,257	1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	502	1/2	1,099	1/2	1,716	1/2	2,267	1/2		1/2		1/2		1/2		1/2	
3/4	41	3/4	513	3/4	1,111	3/4	1,729	3/4	2,277	3/4		3/4		3/4		3/4		3/4	
2	48	2	525	2	1,124	2	1,741	2	2,287	2		2		2		2		2	
1/4	56	1/4	537	1/4	1,137	1/4	1,753	1/4	2,297	1/4		1/4		1/4		1/4		1/4	
1/2	63	1/2	549	1/2	1,150	1/2	1,766	1/2	2,306	1/2		1/2		1/2		1/2		1/2	
3/4	71	3/4	560	3/4	1,163	3/4	1,778	3/4	2,316	3/4		3/4		3/4		3/4		3/4	
3	78	3	572	3	1,176	3	1,791	3	2,326	3		3		3		3		3	
1/4	86	1/4	584	1/4	1,189	1/4	1,803	1/4	2,335	1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	596	1/2	1,202	1/2	1,815	1/2	2,344	1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	608	3/4	1,215	3/4	1,827	3/4	2,353	3/4		3/4		3/4		3/4		3/4	
4	111	4	620	4	1,228	4	1,840	4	2,362	4		4		4		4		4	
1/4	120	1/4	632	1/4	1,241	1/4	1,852	1/4	2,371	1/4		1/4		1/4		1/4		1/4	
1/2	128	1/2	644	1/2	1,254	1/2	1,864	1/2	2,380	1/2		1/2		1/2		1/2		1/2	
3/4	137	3/4	656	3/4	1,267	3/4	1,876	3/4	2,389	3/4		3/4		3/4		3/4		3/4	
5	146	5	669	5	1,280	5	1,888	5	2,397	5		5		5		5		5	
1/4	155	1/4	681	1/4	1,293	1/4	1,900	1/4	2,406	1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	693	1/2	1,306	1/2	1,912	1/2	2,414	1/2		1/2		1/2		1/2		1/2	
3/4	173	3/4	705	3/4	1,319	3/4	1,924	3/4	2,422	3/4		3/4		3/4		3/4		3/4	
6	183	6	718	6	1,332	6	1,936	6	2,430	6		6		6		6		6	
1/4	192	1/4	730	1/4	1,345	1/4	1,948	1/4	2,438	1/4		1/4		1/4		1/4		1/4	
1/2	202	1/2	742	1/2	1,358	1/2	1,960	1/2	2,445	1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	755	3/4	1,371	3/4	1,971	3/4	2,453	3/4		3/4		3/4		3/4		3/4	
7	221	7	767	7	1,384	7	1,983	7	2,460	7		7		7		7		7	
1/4	231	1/4	780	1/4	1,397	1/4	1,995	1/4	2,467	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	792	1/2	1,410	1/2	2,006	1/2	2,473	1/2		1/2		1/2		1/2		1/2	
3/4	251	3/4	805	3/4	1,423	3/4	2,018	3/4	2,480	3/4		3/4		3/4		3/4		3/4	
8	261	8	817	8	1,436	8	2,030	8	2,487	8		8		8		8		8	
1/4	271	1/4	830	1/4	1,449	1/4	2,041	1/4	2,492	1/4		1/4		1/4		1/4		1/4	
1/2	282	1/2	843	1/2	1,461	1/2	2,052	1/2	2,498	1/2		1/2		1/2		1/2		1/2	
3/4	292	3/4	855	3/4	1,474	3/4	2,064	3/4	2,503	3/4		3/4		3/4		3/4		3/4	
9	302	9	868	9	1,487	9	2,075	9	2,508	9		9		9		9		9	
1/4	313	1/4	880	1/4	1,500	1/4	2,086	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	324	1/2	893	1/2	1,513	1/2	2,098	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	334	3/4	906	3/4	1,526	3/4	2,109	3/4		3/4		3/4		3/4		3/4		3/4	
10	345	10	919	10	1,539	10	2,120	10		10		10		10		10		10	
1/4	356	1/4	931	1/4	1,551	1/4	2,131	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	367	1/2	944	1/2	1,564	1/2	2,142	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	378	3/4	957	3/4	1,577	3/4	2,153	3/4		3/4		3/4		3/4		3/4		3/4	
11	388	11	970	11	1,590	11	2,163	11		11		11		11		11		11	
1/4	400	1/4	983	1/4	1,602	1/4	2,174	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	411	1/2	995	1/2	1,615	1/2	2,185	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	422	3/4	1,008	3/4	1,628	3/4	2,195	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" HERMETIC VALVE

STRAPPED: 03/19/2014 CL  
RECALCULATED: 03/20/2024 JS  
NAME CHANGE: 03/20/2024 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2024

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