

Lake Carriers' Association

**2016 VESSEL AND CAPACITY UTILIZATION RATES — U.S.-FLAG GREAT LAKES FLEET  
SELF-PROPELLED VESSELS AND TUG/BARGE UNITS**

(Vessels of 1,000 gross registered tons or more)

COE VESSEL CLASS	VESSEL LENGTH	VESSELS IN CLASS	CARRYING CAPACITY	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
				(I)	(II)	(I)	(II)	(I)	(II)	(I)	(II)	(I)	(II)	(I)	(II)
	<b>Dry-Bulk Carriers</b>														
X	950' - 1,099'	13	1,035,776	9	720,272	0	0	0	0	11	874,272	11	874,272	12	945,168
IX	850' - 949'	1	49,168	0	0	0	0	0	0	1	49,168	1	49,168	1	49,168
VIII	731' - 849'	13	441,672	6	207,200	0	0	0	0	8	266,000	8	266,000	8	266,000
VII	700' - 730'	9	294,813	5	167,357	0	0	1	29,933	6	209,133	7	234,109	7	234,109
VI	650' - 699'	4	122,640	1	24,080	0	0	0	0	2	62,160	2	62,160	2	62,160
V	600' - 649'	7	171,004	2	49,224	0	0	0	0	5	127,120	5	127,120	5	127,120
II	400' - 499'	2	16,750	1	5,750	0	0	0	0	1	5,750	1	5,750	1	5,750
<b>TOTALS</b>		<b>49</b>	<b>2,131,823</b>	<b>24</b>	<b>1,173,883</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>29,933</b>	<b>34</b>	<b>1,593,603</b>	<b>35</b>	<b>1,618,579</b>	<b>36</b>	<b>1,689,475</b>
<b>PERCENTAGE</b>				<b>48.98%</b>	<b>55.06%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>2.04%</b>	<b>1.40%</b>	<b>69.39%</b>	<b>74.75%</b>	<b>71.43%</b>	<b>75.92%</b>	<b>73.47%</b>	<b>79.25%</b>
	<b>Cement Carriers</b>														
IV	550' - 599'	1	12,656	1	12,656	1	12,656	0	0	1	12,656	1	12,656	1	12,656
III	500' - 549'	3	52,297	2	35,200	2	35,200	0	0	2	35,200	2	35,200	2	35,200
II	400' - 499'	1	9,520	1	9,520	0	0	1	9,520	0	0	0	0		
<b>TOTALS</b>		<b>5</b>	<b>74,473</b>	<b>4</b>	<b>57,376</b>	<b>3</b>	<b>47,856</b>	<b>1</b>	<b>9,520</b>	<b>3</b>	<b>47,856</b>	<b>3</b>	<b>47,856</b>	<b>3</b>	<b>47,856</b>
<b>PERCENTAGE</b>				<b>80.00%</b>	<b>77.04%</b>	<b>60.00%</b>	<b>64.26%</b>	<b>20.00%</b>	<b>12.78%</b>	<b>60.00%</b>	<b>64.26%</b>	<b>60.00%</b>	<b>64.26%</b>	<b>60.00%</b>	<b>64.26%</b>
	<b>Tankers</b>														
II	400' - 499'	2	17,192	1	11,368	0	0	0	0	1	5,824	1	5,824	2	17,192
I	399' and less	5	30,443	4	25,399	2	13,462	2	13,462	3	18,801	3	16,879	4	24,378
<b>TOTALS</b>		<b>7</b>	<b>47,635</b>	<b>5</b>	<b>36,767</b>	<b>2</b>	<b>13,462</b>	<b>2</b>	<b>13,462</b>	<b>4</b>	<b>24,625</b>	<b>4</b>	<b>22,703</b>	<b>6</b>	<b>41,570</b>
<b>PERCENTAGE</b>				<b>71.43%</b>	<b>77.18%</b>	<b>28.57%</b>	<b>28.26%</b>	<b>28.57%</b>	<b>28.26%</b>	<b>57.14%</b>	<b>51.70%</b>	<b>57.14%</b>	<b>47.66%</b>	<b>85.71%</b>	<b>87.27%</b>
<b>TOTALS (ALL VESSELS)</b>		<b>61</b>	<b>2,253,931</b>	<b>33</b>	<b>1,268,026</b>	<b>5</b>	<b>61,318</b>	<b>4</b>	<b>52,915</b>	<b>41</b>	<b>1,666,084</b>	<b>42</b>	<b>1,689,138</b>	<b>45</b>	<b>1,778,901</b>
<b>PERCENTAGE (ALL VESSELS)</b>				<b>54.10%</b>	<b>56.26%</b>	<b>8.20%</b>	<b>2.72%</b>	<b>6.56%</b>	<b>2.35%</b>	<b>67.21%</b>	<b>73.92%</b>	<b>68.85%</b>	<b>74.94%</b>	<b>73.77%</b>	<b>78.92%</b>

(I) Number of vessels in service. Tug/barge units count as one vessel. This table represents vessels that were in service for the majority of the month.

(II) Per-trip carrying capacity in service (net tons, mid-summer draft).

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**2016 VESSEL AND CAPACITY UTILIZATION RATES — U.S.-FLAG GREAT LAKES FLEET  
SELF-PROPELLED VESSELS AND TUG/BARGE UNITS**

(Vessels of 1,000 gross registered tons or more)

COE VESSEL CLASS	VESSEL LENGTH	VESSELS IN CLASS	CARRYING CAPACITY	JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER	
				(I)	(II)	(I)	(II)	(I)	(II)	(I)	(II)	(I)	(II)	(I)	(II)
	<b>Dry-Bulk Carriers</b>														
X	950' - 1,099'	13	1,035,776	12	945,168	12	945,168	12	945,168	12	945,168	12	945,168	12	964,880
IX	850' - 949'	1	49,168	0	0	1	49,168	1	49,168	1	49,168	1	49,168	1	49,168
VIII	731' - 849'	13	441,672	9	298,816	9	298,816	9	298,816	9	298,816	9	298,816	9	298,816
VII	700' - 730'	9	294,813	6	209,133	7	234,109	7	234,109	7	234,109	7	234,109	7	234,109
VI	650' - 699'	4	122,640	2	62,160	2	62,160	2	62,160	3	89,936	3	89,936	2	65,856
V	600' - 649'	7	171,004	5	127,120	5	127,120	5	127,120	5	127,120	5	127,120	5	127,120
II	400' - 499'	2	16,750	1	5,750	1	5,750	1	5,750	1	5,750	1	5,750	1	5,750
<b>TOTALS</b>		<b>49</b>	<b>2,131,823</b>	<b>35</b>	<b>1,648,147</b>	<b>37</b>	<b>1,722,291</b>	<b>37</b>	<b>1,722,291</b>	<b>38</b>	<b>1,750,067</b>	<b>38</b>	<b>1,750,067</b>	<b>37</b>	<b>1,745,699</b>
<b>PERCENTAGE</b>				<b>71.43%</b>	<b>77.31%</b>	<b>75.51%</b>	<b>80.79%</b>	<b>75.51%</b>	<b>80.79%</b>	<b>77.55%</b>	<b>82.09%</b>	<b>77.55%</b>	<b>82.09%</b>	<b>75.51%</b>	<b>81.89%</b>
	<b>Cement Carriers</b>														
IV	550' - 599'	1	12,656	1	12,656	1	12,656	1	12,656	1	12,656	1	12,656	1	12,656
III	500' - 549"	3	52,297	3	52,297	3	52,297	3	52,297	3	52,297	3	52,297	2	34,697
II	500' - 499'	1	9,520	1	9,520	0	0	1	9,520	1	9,520	1	9,520	0	0
<b>TOTALS</b>		<b>5</b>	<b>74,473</b>	<b>5</b>	<b>74,473</b>	<b>4</b>	<b>64,953</b>	<b>5</b>	<b>74,473</b>	<b>5</b>	<b>74,473</b>	<b>5</b>	<b>74,473</b>	<b>3</b>	<b>47,353</b>
<b>PERCENTAGE</b>				<b>100.00%</b>	<b>100.00%</b>	<b>80.00%</b>	<b>87.22%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>60.00%</b>	<b>63.58%</b>
	<b>Tankers</b>														
II	400' - 499'	2	17,192	2	17,192	2	17,192	1	11,368	1	11,368	1	11,368	1	11,368
I	399' and less	5	30,443	5	30,443	5	30,443	5	30,443	5	30,443	5	30,443	5	30,443
<b>TOTALS</b>		<b>7</b>	<b>47,635</b>	<b>7</b>	<b>47,635</b>	<b>7</b>	<b>47,635</b>	<b>6</b>	<b>41,811</b>	<b>6</b>	<b>41,811</b>	<b>6</b>	<b>41,811</b>	<b>6</b>	<b>41,811</b>
<b>PERCENTAGE</b>				<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>85.71%</b>	<b>87.77%</b>	<b>85.71%</b>	<b>87.77%</b>	<b>85.71%</b>	<b>87.77%</b>	<b>85.71%</b>	<b>87.77%</b>
<b>TOTALS (ALL VESSELS)</b>		<b>61</b>	<b>2,253,931</b>	<b>47</b>	<b>1,770,255</b>	<b>48</b>	<b>1,834,879</b>	<b>48</b>	<b>1,838,575</b>	<b>49</b>	<b>1,866,351</b>	<b>49</b>	<b>1,866,351</b>	<b>46</b>	<b>1,834,863</b>
<b>PERCENTAGE (ALL VESSELS)</b>				<b>77.05%</b>	<b>78.54%</b>	<b>78.69%</b>	<b>81.41%</b>	<b>78.69%</b>	<b>81.57%</b>	<b>80.33%</b>	<b>82.80%</b>	<b>80.33%</b>	<b>82.80%</b>	<b>75.41%</b>	<b>81.41%</b>

(I) Number of vessels in service. Tug/barge units count as one vessel. This table represents vessels that were in service for the majority of the month.

(II) Per-trip carrying capacity in service (net tons, mid-summer draft).