## North American Freight Car Fleet, by Group

(Counts at year end, shown in thousands)

<table>
<thead>
<tr>
<th>Total = 1,515</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tanks</td>
<td>304</td>
<td>300</td>
<td>303</td>
<td>315</td>
<td>339</td>
<td>371</td>
<td>404</td>
</tr>
<tr>
<td>Hoppers</td>
<td>166</td>
<td>160</td>
<td>154</td>
<td>149</td>
<td>145</td>
<td>142</td>
<td>140</td>
</tr>
<tr>
<td>Gondolas</td>
<td>237</td>
<td>231</td>
<td>230</td>
<td>232</td>
<td>228</td>
<td>228</td>
<td>224</td>
</tr>
<tr>
<td>Flats</td>
<td>195</td>
<td>193</td>
<td>193</td>
<td>191</td>
<td>194</td>
<td>193</td>
<td>196</td>
</tr>
<tr>
<td>Covered Hoppers</td>
<td>464</td>
<td>458</td>
<td>466</td>
<td>479</td>
<td>479</td>
<td>493</td>
<td>519</td>
</tr>
<tr>
<td>Box Cars</td>
<td>133</td>
<td>124</td>
<td>121</td>
<td>118</td>
<td>114</td>
<td>111</td>
<td>109</td>
</tr>
</tbody>
</table>
North American Railcar Review

• Age Demographics

• Detailed Fleet Overview
  – Covered Hoppers: Small, Medium, Large, Jumbo
  – Tanks: Small, Medium, Large
  – Gondolas: GT, Non-GT
  – Open Hoppers: Equipped, Unequipped
  – Boxes: Small, Large, Domestic Intermodal Containers

• Intermodal Flats

• Capacity Trends
Focus on GRL & ETC1 Values

• Gross Rail Load/Weight (GRL)

• GRL Values of 220, 263, 268, and 286 (000 pounds)

• Equipment Classified by ETC1
  – First character of Equipment Type Code
North American Freight Car Fleet

Number of Cars by Age (Revenue-Earning Fleet)
North American Freight Car Fleet

Number of Cars by Age (Revenue-Earning Fleet)
North American Freight Car Fleet
Number of Cars by Age (Revenue-Earning Fleet)

Thousands

- 1971
- 1976
- 1980
- 1983
- 1991
- 1999
- 2002
- 2006
- 2009

Red bars indicate approximate time of recession.
North American Freight Car Fleet
Number of Cars by Age and GRL (Revenue-Earning Fleet)
North American Freight Car Fleet

Average Age at End of Year

Average Age (Years)


19.6 19.8

New Umler, Fall 2009
## North American Freight Car Fleet

### Top 10 ETCs in Revenue-Earning Fleet

<table>
<thead>
<tr>
<th>Rank</th>
<th>Change</th>
<th>ETC</th>
<th>Count</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>↑ 1</td>
<td>C114</td>
<td>126K</td>
<td>CH – Large</td>
</tr>
<tr>
<td>2</td>
<td>↓ 1</td>
<td>C113</td>
<td>125K</td>
<td>CH – Medium</td>
</tr>
<tr>
<td>3</td>
<td>↑ 1</td>
<td>C214</td>
<td>109K</td>
<td>CH – Large</td>
</tr>
<tr>
<td>4</td>
<td>↓ 1</td>
<td>J311</td>
<td>105K</td>
<td>Coal Gondola</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>C112</td>
<td>102K</td>
<td>CH – Small</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>T108</td>
<td>91K</td>
<td>Tank – Large</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>T106</td>
<td>49K</td>
<td>Tank – Medium</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>T107</td>
<td>45K</td>
<td>Tank – Medium</td>
</tr>
<tr>
<td>9</td>
<td>↑ 2</td>
<td>T389</td>
<td>45K</td>
<td>Tank – Large</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>T104</td>
<td>41K</td>
<td>Tank – Small</td>
</tr>
</tbody>
</table>

These 10 ETCs now represent 52% of the revenue-earning fleet.

Over 700 ETCs are present.

K341 fell from Top 10.
North American Freight Car Fleet
Cars by Age and Type

<table>
<thead>
<tr>
<th>Age (Years)</th>
<th>0</th>
<th>10</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>70</th>
<th>80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thousands</td>
<td>11</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
</tr>
</tbody>
</table>

- Box_Cars
- Covered_Hoppers
- Reefers
- Gondolas
- Hoppers
- Flats
- Tanks
Small Covered Hoppers (Up to 4K ft³)

Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = C
7% of Fleet

GRL_286  GRL_268  GRL_263  GRL_220
Medium Covered Hoppers (4K – 5K ft³)

Age Distribution by GRL (Revenue-Earning Fleet)

- GRL_286
- GRL_268
- GRL_263
- GRL_220

ETC1 = C
8% of Fleet
Large Covered Hoppers (5K – 6K ft³)

Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = C
12% of Fleet
Jumbo Covered Hoppers (6K ft$^3$ and Over)

Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = C
4% of Fleet
Small Tanks (under 22.5K Gallons)

Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = T
7% of Fleet
Medium Tanks (22.5K – 27.5K Gallons)

Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = T 7% of Fleet
Large Tanks (27.5K Gallons and Over)

Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = T
12% of Fleet
GT Gondolas

Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = J
8% of Fleet
Non-GT Gondolas

Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = E and G
6% of Fleet
Equipped Open Hoppers
Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = K
5% of Fleet

GRL_286  GRL_268  GRL_263  GRL_220
Unequipped Open Hoppers

Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = H
3% of Fleet
Small Boxcars (Up to 55 Feet)

Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = A and B
5% of Fleet

GRL_286  GRL_268  GRL_263  GRL_220

|-----------|------|------|------|------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
Domestic Intermodal Containers

53’ Containers Registered in Umler
Large Boxcars (Over 55 Feet)

Age Distribution by GRL (Revenue-Earning Fleet)

ETC1 = A and B
2% of Fleet

- GRL_286
- GRL_268
- GRL_263
- GRL_220

GRL_286
GRL_268
GRL_263
GRL_220
Fleet Capacity and Average Car Size

- **Blue**: Total Fleet Capacity
- **Red**: Average Car Size (gal or ft$^3$)
- **Index**: 2009 = 100
Fleet Capacity and Average Car Size

**GT Gons (J)**
- 2009: 98.0
- 2015: 100.4

**Equipped Open Hoppers (K)**
- 2009: 92.3
- 2015: 98.3

**Non-GT Gons (E and G)**
- 2009: 90.8
- 2015: 98.7

**Unequipped Open Hoppers (H)**
- 2009: 70.8
- 2015: 100.0
To learn more, connect with Railinc.

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