Tank car specifically designed for the transportation of caustic soda.

**CAUSTIC SODA**

16,890 Gallon Capacity
263,000 lbs. Gross Rail Load
DOT 111A100W1

**GENERAL ARRANGEMENT**

**MANWAY & FITTINGS ARRANGEMENT**
### Specifications

#### General Data

<table>
<thead>
<tr>
<th></th>
<th>16,300</th>
<th>16,890</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specification Stencilled</td>
<td>DOT 111A100W1</td>
<td>DOT 111A100W1</td>
</tr>
<tr>
<td>Shell Full Capacity</td>
<td>16,300 Gallons</td>
<td>16,890 Gallons</td>
</tr>
<tr>
<td>Gross Rail Load</td>
<td>263,000 lbs.</td>
<td>263,000 lbs.</td>
</tr>
<tr>
<td>Estimated Lightweight</td>
<td>61,400 lbs.</td>
<td>62,100 lbs.</td>
</tr>
<tr>
<td>Length Over Strikers</td>
<td>40' 10-5/16&quot;</td>
<td>39' 3-7/8&quot;</td>
</tr>
<tr>
<td>Truck Centers</td>
<td>30' 0-1/16&quot;</td>
<td>28' 5-5/8&quot;</td>
</tr>
<tr>
<td>Height, Extreme</td>
<td>14' 8-15/16&quot;</td>
<td>14' 8-15/16&quot;</td>
</tr>
<tr>
<td>Width, Extreme</td>
<td>10' 2-5/8&quot;</td>
<td>10' 2-5/8&quot;</td>
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</tbody>
</table>

#### Tank

- Class: DOT 111A100W1
- Inside Diameter: 106" (110 1/4"
- Slope: 1/4" per foot
- Length Over Tank Heads: 37' 5-7/16" (37' 5-7/16"
- Plate Thickness: 7/16" (7/16"
- Heater System: 4 Lines 8" C.S. Exterior Half Oval Simplex with 4" Fiberglass Insulation

#### Tank Fittings

- Manway Cover: Cast Steel, Gr. B, 6-Bolt
- Manway Nozzle: 20" (20"
- Siphon Pipe: 2" SCH. 80 TY. 316 S.S. (2" SCH. 80 TY. 316 S.S.
- Siphon Valve: 2" S.S. Ball Valve (2" S.S. Ball Valve
- Air Inlet: 1" S.S. Ball Valve (1" S.S. Ball Valve
- Safety Valve: Safety Vent with 100# Rupture Disk (Safety Vent with 100# Rupture Disk
- Vacuum Relief Valve: S.S. (S.S.
- Gauging Device: S.S. Visual Marker (S.S. Visual Marker
- Bottom Outlet Valve: Top Operated 6" Positive Clapper (Top Operated 6" Positive Clapper
- Sump: N/A (N/A

#### Tanks

- Type: 100 Ton Capacity
- Wheels: Steel, 36" One-Wear

#### General Arrangement

16,300 Gallon Capacity
263,000 lbs. Gross Rail Load
DOT 111A100W1

- General Arrangement
  - Section A-A
  - View C
  - Bottom Outlet