

# Rail Tank Cars Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

<https://marketpublishers.com/r/R946E61703EEEN.html>

Date: October 2024

Pages: 200

Price: US\$ 4,850.00 (Single User License)

ID: R946E61703EEEN

## Abstracts

The Global Rail Tank Cars Market was valued at USD 5.7 billion in 2023 and is expected to grow at a CAGR of 4.5% from 2024 to 2032. This growth is driven by rising global energy demand, particularly for LPG, chemicals and crude oil, as expanding economies require efficient transportation of these vital commodities. Rising demand in the food and beverage sector also boosts the market, especially for transporting liquids like oils, dairy products, juices, and alcoholic beverages. As consumers lean toward fresh and organic options, there is a growing need for efficient bulk transport, with rail tank cars offering cost-effective, long-distance solutions for large-scale food production. In terms of capacity, the market is segmented into less than 15,000 gallons, 15,000–30,000 gallons, and more than 30,000 gallons.

In 2023, the 15,000–30,000 gallons segment accounted for more than 50% of the market share and is expected to surpass USD 4.5 billion by 2032. This capacity is widely used across industries such as oil & gas, chemicals, and agriculture for transporting bulk liquids, making it essential to the rail transport sector. Based on tank pressure, the pressurized segment held around 57% of the market share in 2023. Pressurized tank cars are critical for transporting hazardous and volatile materials such as LPG and anhydrous ammonia under high pressure, ensuring safe transit and preventing leaks or explosions. The global growth of the oil and gas sector, along with the chemical industry, fuels the demand for these specialized railcars. North America led the market with a share of over 45% in 2023, expected to exceed USD 4 billion by 2032. The U.S., in particular, benefits from an extensive rail network that supports the bulk transportation of oil, industrial liquids, and chemicals.

The country plays a key role in moving crude oil and petroleum products from production sites to refineries and distribution hubs. Additionally, the growth in the

chemical sector, shale oil production, and agricultural exports further increases the need for rail tank cars. Strict safety regulations from the FRA and DOT also drive market advancements as manufacturers are required to enhance safety features to comply with these standards

## Contents

### Report Content

#### **CHAPTER 1 METHODOLOGY & SCOPE**

- 1.1 Research design
  - 1.1.1 Research approach
  - 1.1.2 Data collection methods
- 1.2 Base estimates and calculations
  - 1.2.1 Base year calculation
  - 1.2.2 Key trends for market estimates
- 1.3 Forecast model
- 1.4 Primary research & validation
  - 1.4.1 Primary sources
  - 1.4.2 Data mining sources
- 1.5 Market definitions

#### **CHAPTER 2 EXECUTIVE SUMMARY**

- 2.1 Industry 360° synopsis, 2021 - 2032

#### **CHAPTER 3 INDUSTRY INSIGHTS**

- 3.1 Industry ecosystem analysis
- 3.2 Supplier landscape
  - 3.2.1 Rail tank car manufacturers
  - 3.2.2 Railcar leasing companies
  - 3.2.3 Railcar component suppliers
  - 3.2.4 Rail transportation companies
  - 3.2.5 Chemical, oil, and gas companies
  - 3.2.6 Shippers and end-users
- 3.3 Profit margin analysis
- 3.4 Cost-breakdown analysis of rail tank cars
- 3.5 Technology & innovation landscape
- 3.6 Key news & initiatives
- 3.7 Regulatory landscape
- 3.8 Impact forces
  - 3.8.1 Growth drivers

3.8.1.1 Increasing global energy demand, particularly for crude oil, liquefied petroleum gas (LPG), and chemicals

3.8.1.2 Rising demand for food and beverages

3.8.1.3 Stringent safety regulations in North America and Europe regarding hazardous materials transport

3.8.1.4 Advancements in rail tank car technology

3.8.1.5 Investments in rail infrastructure, including the expansion of rail networks

3.8.2 Industry pitfalls & challenges

3.8.2.1 The initial investment required to purchase or lease rail tank cars

3.8.2.2 Maintenance and repair costs

3.9 Growth potential analysis

3.10 Porter's analysis

3.11 PESTEL analysis

## **CHAPTER 4 COMPETITIVE LANDSCAPE, 2023**

4.1 Introduction

4.2 Company market share analysis

4.3 Competitive positioning matrix

4.4 Strategic outlook matrix

## **CHAPTER 5 MARKET ESTIMATES & FORECAST, BY TYPE, 2021 - 2032 (\$BN, UNITS)**

5.1 Key trends

5.2 DOT-111

5.3 AAR-211

5.4 DOT-117

5.5 Others

## **CHAPTER 6 MARKET ESTIMATES & FORECAST, BY TANK PRESSURE, 2021 - 2032 (\$BN, UNITS)**

6.1 Key trends

6.2 Pressurized rail tank cars

6.3 Non-pressurized rail tank cars

## **CHAPTER 7 MARKET ESTIMATES & FORECAST, BY CAPACITY, 2021 - 2032 (\$BN, UNITS)**

7.1 Key trends

7.2 Less than 15,000 gallons

7.3 15,000–30,000 gallons

7.4 More than 30,000 gallons

## **CHAPTER 8 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021 - 2032 (\$BN, UNITS)**

8.1 Key trends

8.2 Oil and gas

8.3 Chemicals

8.4 Food and beverage

8.5 Others

## **CHAPTER 9 MARKET ESTIMATES & FORECAST, BY REGION, 2021 - 2032 (\$BN, UNITS)**

9.1 Key trends

9.2 North America

9.2.1 U.S.

9.2.2 Canada

9.3 Europe

9.3.1 UK

9.3.2 Germany

9.3.3 France

9.3.4 Spain

9.3.5 Italy

9.3.6 Russia

9.3.7 Nordics

9.4 Asia Pacific

9.4.1 China

9.4.2 India

9.4.3 Japan

9.4.4 South Korea

9.4.5 ANZ

9.4.6 Southeast Asia

9.5 Latin America

9.5.1 Brazil

9.5.2 Mexico

9.5.3 Argentina

9.6 MEA

9.6.1 UAE

9.6.2 South Africa

9.6.3 Saudi Arabia

## **CHAPTER 10 COMPANY PROFILES**

10.1 Alstom

10.2 American Railcar

10.3 Chicago Freight Car

10.4 CIT Rail

10.5 CRRC Corporation

10.6 DB Cargo

10.7 FreightCar America

10.8 GATX

10.9 Kelso Technologies

10.10 Mitsui Rail Capital (MRC)

10.11 National Steel Car

10.12 TAIXI Electric

10.13 The Greenbrier Companies

10.14 Trinity Industries

10.15 T?V Rheinland

10.16 Union Tank Car Company (UTLX)

10.17 VR Transpoint

10.18 VTG AG

10.19 Wabtec Corporation

10.20 Watco Companies

## I would like to order

Product name: Rail Tank Cars Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

Product link: <https://marketpublishers.com/r/R946E61703EEEN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/R946E61703EEEN.html>