




## About the FAST Act

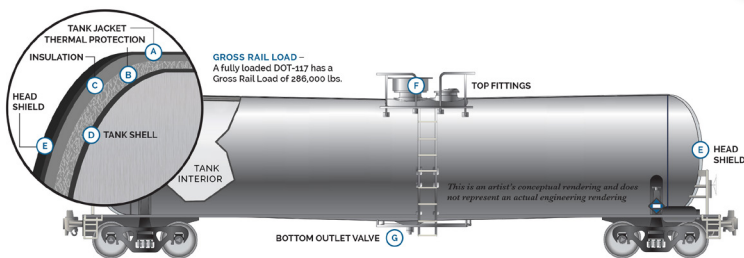
-  Strengthened the safety requirements for tank cars carrying flammable liquids
-  Set deadlines for phasing out older, non-retrofitable tank cars
-  Provided safety recommendations for the transport of hazardous material

The RSI Committee on Tank Cars is made up of experts from the leading tank car manufacturers, suppliers, owners, and lessors in North America. Collectively, the Committee works to provide input on tank car regulations, monitor FAST Act compliance and progress, and serve as a resource for any and all issues pertaining to tank cars.

## Tank Cars 101

**95%** Railcars built by members in North America

**70%** Railcars owned or leased by members



The new DOT-117 standard includes safety recommendations advocated for by the RSI, such as:

- Thicker shells with more fire-protection
- Head shields to prevent punctures

■ A jacket is a metal covering surrounding a tank car designed to protect and secure the insulation and/or thermal protection systems on a tank car. The additional thickness of the jacket improves the crashworthiness of the tank car.

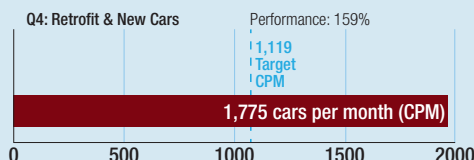
### Tank Cars Conversion Guide

**DOT-111** General purpose tank car. Currently being replaced or retrofitted by the new DOT-117 standard for tank cars carrying flammable liquids

**CPC-1232** DOT 111s modified to the pre-FAST Act industry voluntary "good faith" standard. Improves the crashworthiness of tank cars carrying inflammable liquid service

**DOT-117** New FAST Act industry standard for tank cars carrying flammable liquids

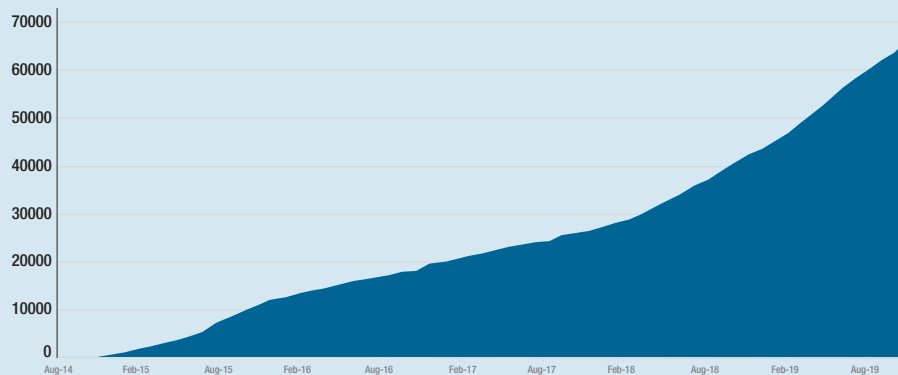
## Progress at a Glance\*



Based on current fleet sizes, the industry would need to meet a target production of 1,119 cars per month (CPM) to meet mandatory FAST Act deadlines. For Q4 2019, the industry exceeded these projections by more than 650 cars.

\*These are estimates based on fleet size at the time of data collection and therefore may fluctuate significantly each quarter. Target CPM is a projection based on static fleet size and shipper demand. Actual targets will vary each quarter.

### DOT 117 Fleet Growth



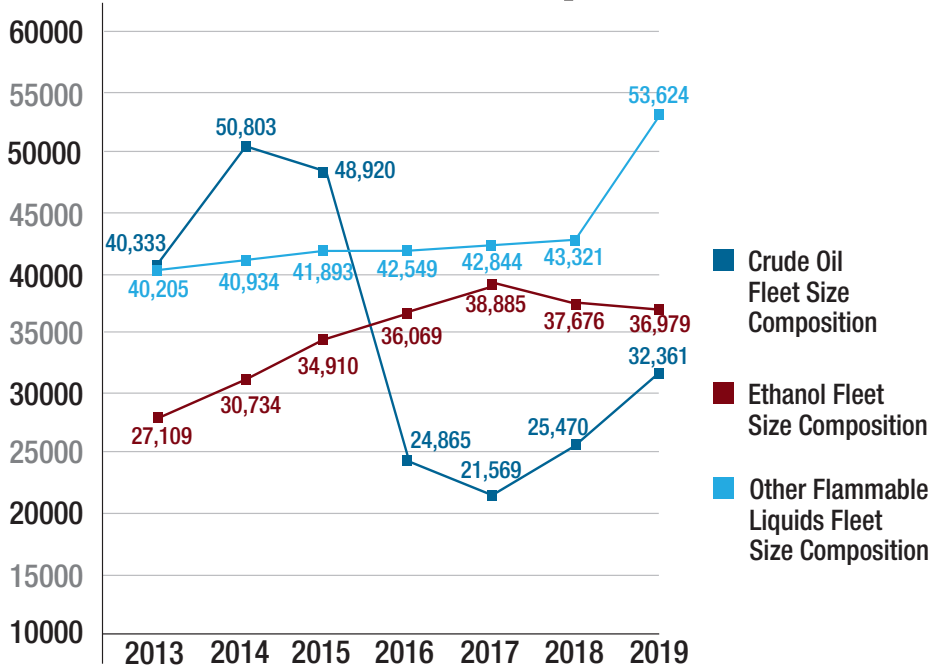
December 2019 - Total DOT-117 fleet size increased by 1,981 cars

# FAST Act Deadlines: *Phasing Out DOT-111s & CPC-1232s*



\*Applies to crude oil, ethanol, and packing group I. Packing groups II-III are due in 2029 for all car types.

## Historic Fleet Composition



## What is CPR?

**Conditional Probability of Release (CPR)** is the measure of likelihood of a spill under certain accident conditions.

The average CPR of the tank fleet in service is reducing dramatically compared to the DOT-111 legacy fleet.

## CPR Reduction by Commodity

