

## Tank car for transportation of sulfuric acid, model 15-9545



### Description

A new generation tank car possesses improved technical and economic characteristics comparing to conventional analogues.

The tank car, which boiler space amounts to 44 m<sup>3</sup>, is equipped with the undercarriage with 25 tf axle load. The tank car payload of 77 t allows increasing its loading capacity by more than 10%. The tank car features the boiler with a “broken” axis ensuring maximum draining of the tank. An increased run time between repairs is a significant competitive advantage of the freight car, model 15-9545, which allows cutting down the cost of the freight car life cycle by almost 3 times.

Designed by: “All-Union Research and Development Centre for Transportation Technology”, LLC.





## Specifications

Technical specification	Model 15-9545
Payload capacity, t	77
Boiler space, m <sup>3</sup>	44
Boiler internal dimensions, mm	2,400
Length over coupler pulling faces, mm	12,020
Tare weight, t	22.7
Gabarit as per GOST 9238-2013	02-BM
Bogie model	18-9855
Estimated static load from the wheel set on rails, kN (tf)	245.25 (25)
Service life, years	18
Regulatory overhaul period, up to mln km (years)	1 (8)

## Cargoes

Cargo	OOH code cargo
Sulfuric acid of 1 and 2 grades	1830
Regenerated sulfuric acid	1906
Other cargoes	O/R