

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 space amounts to 44 m³ and the freight car payload of 77 t which allows increasing its loading capacity by more than 10%. The tank car features the tank with a "broken" axis ensuring maximum draining. 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
Tank space, m ³	44
Tank internal dimensions, mm	2,400
Length over coupler pulling faces, mm	12,020
Tare weight, t	22.7 ^{+0.3} _{-0.8}
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)
Service life, years	18
Regulatory overhaul period, up to mln km (years)	1 (8)

Cargoes

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