

Tank car for transportation of chemically active substances, model 15-9993-03



Description

A tank car for the transportation of a wide range of chemically active substances.

This new generation tank car leaves behind existing analogues in technical characteristics. The tank car has a load capacity of 73 t and a volume of 88 m³, 15 m³ (or 7 t) more than other similar freight cars on the market, which are mounted on 23.5 t bogies. Maximum efficiency and economy are achieved when the tank car is used to transport technical spirits, liquid hydrocarbons and other liquid chemicals.

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



Specifications

Technical specification	Model 15-9993-03
Payload capacity, t	73
Tank space, m ³	88
Tank internal dimensions, mm	3,240
Tare weight, t	27
Length over coupler pulling faces, mm	12,020
Gabarit as per GOST 9238-2013	1-T
Bogie model	18-9855
Estimated static load from the wheel set on rails, kN (tf)	245.25 (25)
Service life, years	24*
Regulatory overhaul period, up to ths km (years)	500 (6)**

Cargo

* may be increased after durability testing

** will be specified after controlled operation

Cargo	UN Cargo code
Alpha-methyl styrene	2303
Acetone (propanone)	1090
Butanol (butyl alcohol)	1120
Isobutyl alcohol (isobutanol)	1212
Ethylbenzyl fractions	3295
Denatured ethyl alcohol not included in the alphabetic list of ethanols (Process B technical-grade rectified denatured ethyl alcohol in conformity with GOST R 51999-2002 standard, Process A and B technical-grade denatured synthetic ethyl alcohol in conformity with GOST R 52574-2006 standard)	1170
Technical-grade ethyl alcohol	1170
Other cargos	By request