

ZhT-79L

Railway Grease

APPROVALS

Russian Railways, OJSC

PRODUCT DESCRIPTION

ZhT-79L is a special antifriction railway water-resistant semi-liquid grease of dark-grey color. It can operate at temperatures ranging from minus 60 °C to plus 120 °C.

The **ZhT-79L** lubricating grease for train-stop devices is a mixture of organosilicon fluid and isoparaffin oil thickened with stearic acid lithium oil and contains an antioxidant additive and a plasticizer. It is produced from high-quality raw materials at one of the most up-to-date industrial facilities in the CIS.

APPLICATION

The lubricating grease for train-stop devices **ZhT-79L** is used in train-stop devices of locomotives and railway cars.

BENEFITS

- Good anti-wear characteristics of the grease ensure reliable protection of the greased equipment even at high sliding speeds and impact loads, increasing the service life of equipment and reducing maintenance downtime.
- The water-resistant property of the grease makes it possible to use it in open and unsealed unit.
- The grease has a wide operating temperature range of minus 60 °C to plus 120 °C.
- The grease is compatible with most elastomers and does not cause rubber swelling.

The product is manufactured as per TU 0254-002-01055954-01.

STANDARD CHARACTERISTICS

PROPERTY	ZHT-79L
NLGI consistency	2-3
Color	From light yellow to light brown
Type of soap	Li
Type of base oil	mineral
Structure	Homogeneous
Viscosity at minus 55 °C and average gradient of strain rate of 10 s ⁻¹ , Pa·s, or less	1600
Weight change of rubber grade 6659 or grade 7130 after being in the grease for 24 hours, at +70 °C, %	±3
Penetration at 25 °C after stirring, 0.1 mm	240–290
Four-ball tribological properties:	
Critical load, N (kgf), or more	392 (40)
Colloidal stability, % of separated oil, or less	15

The standard product characteristics are average values and do not constitute the manufacturer's specification. They can be subject to change in accordance with the requirements of INTESMO, LLC. Please contact the technical support team for any question related to the application and replacement of grease products manufactured by INTESMO, LLC.