

ZhT-79L

Railway grease for autobraking devices

DESCRIPTION

ZhT-79L grease for autobraking devices is produced on the basis of a mixture of organosilicon liquid and isoparaffinic oil thickened with stearic acid lithium soap. The grease contains an antioxidant additive and a plasticizer. It is produced at one of the most modern industrial facilities in Russia, using high-quality raw materials.

ZhT-79L is intended for lubrication of automatic braking devices of locomotives and railway carriages, as well as pneumatic drives of electric devices of locomotives. The special composition of the grease ensures its performance in metal-rubber contact.

The grease is efficient at temperatures from $-60\text{ }^{\circ}\text{C}$ to $+120\text{ }^{\circ}\text{C}$. Short-term use of the grease in the volume of the friction unit is allowed at temperatures up to $+150\text{ }^{\circ}\text{C}$.



<p>ADVANTAGES:</p> <ul style="list-style-type: none"> • The grease is compatible with most elastomers, does not cause swelling of rubbers • Good anti-wear and extreme pressure properties • Reliable bearing protection even at high speeds and shock loads • High water resistance 	<p>COMPOSITION:</p> <ul style="list-style-type: none"> • A mixture of silicone fluid and isoparaffinic oil • Lithium soap • Antioxidant additive • Plasticizer
<p>APPLICATION IN UNITS:</p> <ul style="list-style-type: none"> • Autobraking devices • Friction pairs "metal-rubber" and "metal-metal" 	<p>APPLICATION EXAMPLES:</p> <ul style="list-style-type: none"> • Cuffs, diaphragms, valves and other elements of seals for brake fittings of locomotives and railway cars • Rubbing surfaces of electric equipment of railway multiple unit

ZhT-79L. Edition 12/21, replaces all previously published edition

This product is manufactured according to TU 0254-002-01055954-01

ZhT-79L TYPICAL PROPERTIES

Standard	Property	Unit	Value
	NLGI grade		2–3
	Appearance		Light yellow to brown homogeneous smooth ointment
GOST 5346 V	Worked penetration @ 25 °C (60 strokes)	mm/10	240–290
GOST 7163	Viscosity @ –55 °C and an average gradient of deformation rate of 10 s ⁻¹ , max	Pa·s	1600
GOST 7143 B	Ultimate strength @ 50 °C, max	Pa	250
GOST 6707	Mass fraction of free alkali in terms of NaOH, max	%	0.25
GOST 7142	Oil separation, max	%	15
GOST 9.080	Corrosive effect on metals: copper		Pass
GOST 9.030	Change in the mass of rubber after being in a grease for 24 h, @ 70 °C	%	±3
GOST 6479	Mechanical impurities content, max	%	Absence
GOST 9490	Four Ball Non-Seizure Load (P _k), min	N kg	392 40

HOW TO USE

This grease can be applied manually with a brush or spatula.

USABLE LIFE AND STORAGE

The guaranteed shelf life is 42 months from the date of manufacture in the manufacturer's container, subject to the conditions of transportation and storage.

HANDLING PRECAUTIONS

This product doesn't contain any toxic ingredients. During storage, transportation, and application of this product, the safety rules for handling mineral lubricating materials and the environment protection regulations must be observed.

For further information on how to use LUKOIL® products, please refer to the product MSDS.

TECHNICAL SUPPORT

For correct selection of the proper lubricating materials to meet your needs, and to get more detailed information on the products, as well as if you have any other questions, we recommend you to contact our technical support service specialists by e-mail: grease.support@lukoil.com

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Product technical properties are typical and can vary in strong limits.

Due to research and development of science and technology technical properties of product indicated in this Technical Data Sheet can be changed without notification.