

Oils for axle journals grades «L», «Z», «S»; oil for axle journals LUKOIL grade «V»

Oils for axle journals series

DESCRIPTION

Oils for axle journals grades "Z", "L", "S", oil for axle journals LUKOIL grade "V" are made on the basis of a mixture of petroleum extracts and components of selective oils (grade "L"), with the involvement of components that have undergone hydrodewaxing (grade "V", "Z", "S"); depressant additives are allowed.

Oils for axle journals grades "Z", "L", "S", oil for axle journals LUKOIL grade "V" are intended for use in motor support bearings of traction electric motors of locomotives, as well as for lubricating journals of axial pairs and in other sliding friction units rolling stock. Sometimes they are used to lubricate friction units and some lightly loaded gearboxes of industrial equipment.

Depending on the conditions of use, various brands of axial oils are used, differing in viscosity-temperature properties:

- grade "L" – for use in the summer;
- grade "Z" – for use in the winter;
- grade "S" – for use in winter in very cold areas;
- grade "V" (all-weather) – for all-weather use.

<p>ADVANTAGES:</p> <ul style="list-style-type: none"> • Reliable protection of friction units from premature wear • Good protective and anti-corrosion properties • High demulsibility 	<p>COMPOSITION:</p> <ul style="list-style-type: none"> • A mixture of oil extracts and components of oils of solvent refining (grade "L") • Mixture of oil extracts and components of oils of solvent refining with the involvement of components that have undergone hydrodewaxing (grades "V", "Z", "S")
<p>APPLICATION IN UNITS:</p> <ul style="list-style-type: none"> • Motor support bearings • Axle pair journals 	<p>APPLICATION EXAMPLES:</p> <ul style="list-style-type: none"> • Motor support bearings of locomotive traction motors • Axle pair journals and other rolling stock friction units

Axial oils grades "L", "Z", "S" and "V". Edition 12/21, replaces all previously published edition

These products are manufactured according to GOST 610-72, STO 65561488-006-2011 – grade "V"

Axial oils grades "L", "Z", "S" and "V" TYPICAL PROPERTIES

Standard	Property	Unit	Value			
			Grade "L"	Grade "Z"	Grade "S"	Grade "V"
GOST 33	Kinematic viscosity @ 50 °C	cSt	42–60	min 22	12–14	min 28
GOST 1929 A	Dynamic viscosity, max:					
	@ 0 °C		-	-	2	-
	@ -10 °C		150	-	-	-
	@ -30 °C		-	600	-	800
	@ -50 °C		-	-	2500	-
GOST 6307	Content of water-soluble acids and alkalis	%	Absence			
GOST 2477	Water content, max	%	Trace	0.3	0.1	0.3
GOST 6370	Content of mechanical impurities, max	%	0.07	0.05	0.04	0.05
GOST 4333	Flash point in an open cup, min	°C	135	125	125	125
GOST 20287	Pour point, max	°C	-	-40	-55	-35
GOST 9.080	Corrosive effect on metals:					
	steel 40, 45 according to GOST 1050		Pass			
	copper M2 according to GOST 859		Pass			
GOST 3900	Density @ 20 °C, max	kg/m ³	-	-	-	980

HOW TO USE

The oil is used in accordance with the instructions of OJSC Russian Railways.

USABLE LIFE AND STORAGE

The guaranteed shelf life is 60 months from the date of manufacture in the manufacturer's container, subject to the conditions of transportation and storage.

HANDLING PRECAUTIONS

These products don't contain any toxic ingredients. During storage, transportation, and application of these products, 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.