

LUKOIL POLYFLEX EP 000-45 LC

Semi-fluid grease for CLS of trucks

DESCRIPTION

LUKOIL® POLYFLEX EP 000-45 LC is intended for use in centralized lubrication systems for chassis of trucks, buses and agricultural machinery, as well as enclosed gearboxes. The grease works at temperatures from -40 °C to + 120 ° C.

LUKOIL® POLYFLEX EP 000-45 LC consists of a mixture of highly refined synthetic and mineral oils, a lithium-calcium thickener and a package of antiwear, extreme pressure and antioxidant additives.

Due to its composition, LUKOIL® POLYFLEX EP 000-45 LC has excellent resistance to water, high loads and corrosion. The grease is perfectly pumpable in centralized lubrication systems at low temperatures.



<p>ADVANTAGES:</p> <ul style="list-style-type: none"> • Excellent pumpability • Good extreme pressure properties • High water resistance 	<p>COMPOSITION:</p> <ul style="list-style-type: none"> • A mixture of highly refined synthetic and petroleum oils • Lithium-calcium soap • Additive package: EP, AW, anti-oxidation and anti-corrosion additives
<p>APPLICABLE IN UNITS:</p> <ul style="list-style-type: none"> • Centralized lubrication systems • Closed gear drives 	<p>APPLICATIONS:</p> <ul style="list-style-type: none"> • Centralized lubrication systems for trucks, agricultural, forestry, mining and construction equipment • Gearboxes requiring grease lubrication

LUKOIL POLYFLEX EP 000-45 LC. Edition 03/21

This product is manufactured according to STO 65561488-093-2021

LUKOIL® POLYFLEX EP 000-45 LC TYPICAL PROPERTIES

Standard*	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KP000K-40
ISO 6743-9	Marking according to ISO 6743-9		L-XECEB000
	Appearance		Beige semi-fluid grease
	Service temperature range	°C	-40 to +120
	Thickener		Lithium-Calcium soap
DIN 51818	NLGI consistency class		00/000
ISO 2137	Worked penetration (mixed, 60 double strokes)	mm/10	420-460
ISO 2176	Drop point	°C	>160
ASTM D 445	Base oil viscosity at 40°C	mm ² /s	45
DIN 51802	SKF Emcor test, distilled water	Point	0-0
DIN 51350-4	Weld load (4-ball machine test) at 25°C	N	>2000
DIN 51805	Flow pressure at -35 °C	hPa	80
ASTM D 942-19	Oxidation resistance, pressure drop after 100 hours	hPa	< 500

HOW TO USE

The grease can be pumped through an automatic centralized lubrication system at temperatures up to minus 40 ° C. It is also possible to use it in some types of gearboxes.

USABLE LIFE AND STORAGE

The shelf life is 36 months 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.