

LUKOIL POLYFLEX EP 000-45 LC

Semi-fluid grease for CLS of trucks

DESCRIPTION

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 anti-wear, extreme pressure and antioxidant additives.

LUKOIL® POLYFLEX EP 000-45 LC grease 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 has excellent resistance to water, high loads and corrosion due to its composition. 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 mineral oils • Lithium-calcium soap • Additive package: EP, AW, anti-oxidation and anti-corrosion additives
<p>APPLICATION IN UNITS:</p> <ul style="list-style-type: none"> • Centralized lubrication systems • Enclosed gear drives 	<p>APPLICATION EXAMPLES:</p> <ul style="list-style-type: none"> • Centralized lubrication systems for trucks, agricultural, forestry, mining and construction equipment • Some types of gearboxes where lubrication with grease is required

LUKOIL® POLYFLEX EP 000-45 LC. Edition 12/21 replaces 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
	Color, appearance		Beige semi-fluid grease
	Service temperature range	°C	-40 to +120
DIN 51818	NLGI grade		00/000
ISO 2137	Worked penetration (60 double strokes)	mm/10	420–460
ISO 2137	Penetration change @ 25 °C after 5,000 cycles	mm/10	<20
ASTM D445	Base oil viscosity @ 40 °C	mm ² /s	45
ISO 2176	Dropping point	°C	>160
DIN 51350-4	Four Ball Weld Load @ 25 °C	N	>2000
DIN 51802	Corrosion protection (SKF-Empcor, distilled water)		0-0
DIN 51802	Corrosion protection (SKF-Empcor, salt water)		0-0
DIN 51805	Flow pressure @ -35 °C	hPa	<50
ASTM D942-19	Oxidation stability, pressure drop after 100 h	hPa	<20
DIN 51807-1	Water washout		1-90

HOW TO USE

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

USABLE LIFE AND STORAGE

The guaranteed shelf life is 36 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.