

# LUKOIL SYNTHOFLEX EP 00-460

Synthetic semi-liquid heavy-duty grease

## **DESCRIPTION**

LUKOIL® SYNTHOFLEX EP 00-460 is a special synthetic semi-liquid grease, which is based on high-quality synthetic base oil blend thickened with complex lithium soap and special additive package.

LUKOIL® SYNTHOFLEX EP 00-460 has high tribological properties, can operate within a very wide temperature range from –50 °C to +160 °C, at high loads, including in closed gearboxes.

Due to the high-viscosity oil with a high viscosity index in its composition, LUKOIL® SYNTHOFLEX EP 00-460 can be used in enclosed gearboxes, especially in cases where the seals are worn or damaged.



<p><b>ADVANTAGES:</b></p> <ul style="list-style-type: none"> <li>• Resistance to shock loads</li> <li>• Wide temperature range</li> <li>• Low friction coefficient</li> <li>• Excellent anticorrosion properties</li> <li>• Long-term service life</li> </ul>	<p><b>COMPOSITION:</b></p> <ul style="list-style-type: none"> <li>• Synthetic (PAO) oil</li> <li>• Complex lithium soap</li> <li>• Special additive package</li> </ul>
<p><b>APPLICATION IN UNITS:</b></p> <ul style="list-style-type: none"> <li>• Enclosed gearboxes</li> <li>• Centralized lubrication systems</li> <li>• Transmission clutches</li> <li>• Rolling and sliding bearings</li> </ul>	<p><b>APPLICATION EXAMPLES:</b></p> <ul style="list-style-type: none"> <li>• Gear motor-wheels of mining dump trucks in case of oil replacement with grease to prevent leaks</li> <li>• Centralized lubrication systems of trucks, mining, agricultural, construction equipment, where it is necessary to use grease NLGI grade 00</li> <li>• Some types of gearbox where lubrication with grease is required</li> </ul>

LUKOIL® SYNTHOFLEX EP 00-460. Edition 12/21 replaces edition 06/20

**This product is manufactured according to STO 65561488-085-2017**

**LUKOIL® SYNTHOFLEX EP 00-460 TYPICAL PROPERTIES**

Standard	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		GPHC00N-50
ISO 6743-9	Marking according to ISO 6743-9		L-XEEEB 00
	Color		Yellow to light brown
	Service temperature range	°C	-50 to +160
DIN 51818	NLGI grade		0
ISO 2137	Worked penetration (60 strokes)	mm/10	400-430
DIN 51562	Base oil viscosity @ 40 °C	mm <sup>2</sup> /s	460
ASTM D2596	Four Ball Weld Load @ 25 °C	N kg	3283 335
DIN 51802	Corrosion protection (SKF-Empcor, distilled water)		0-0

**HOW TO USE**

This grease can be used in closed gearboxes, can be applied manually with a brush or spatula, as well as through centralized lubrication system.

**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](mailto: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.