

LUKOIL SYNTHOFLEX EP 1,5-460

Synthetic multipurpose complex lithium grease

DESCRIPTION

LUKOIL® SYNTHOFLEX EP 1,5-460 is based on high-quality synthetic base oil blend thickened with complex lithium soap and special additive package. The grease has high tribological features, resistant to corrosion and water and can operate within a very wide temperature range from –40 °C up to +180 °C.

LUKOIL® SYNTHOFLEX EP 1,5-460 is a multipurpose grease that is used in highly loaded friction units, such as bearings, where low coefficient of friction and long-term service life without re-lubrication are required.

LUKOIL® SYNTHOFLEX EP 1,5-460 can be used as all-season grease for lifetime lubrication.



ADVANTAGES:

- Wide temperature range
- Resistance to shock loads
- Long-term service life
- Good extreme pressure properties
- Excellent anti-oxidation properties

COMPOSITION:

- Synthetic (PAO) oil blend
- Complex lithium soap
- Special additive package

APPLICATION IN UNITS:

- Rolling and sliding bearings
- Linear ball bearings
- Needle bearings
- Some gearbox types

APPLICATION EXAMPLES:

- High-temperature bearings of metallurgical plants
- Bearings of paper-making and textile machines (drying area)
- Wheel bearings for trucks
- High-loaded transport and construction equipment

LUKOIL® SYNTHOFLEX EP 1,5-460. Edition 12/21 replaces edition 03/20

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

LUKOIL® SYNTHOFLEX EP 1,5-460 TYPICAL PROPERTIES

Standard	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KPHC1.5R-40
ISO 6743-9	Marking according to ISO 6743-9		L-XDFEB 1.5
	Color		Yellow to light brown
	Service temperature range	°C	–40 to +180
DIN 51818	NLGI grade		1.5
ISO 2137	Worked penetration (60 strokes)	mm/10	290–320
DIN 51562	Base oil viscosity @ 40 °C	mm ² /s	460
ISO 2176	Dropping point	°C	>280
ASTM D2596	Four Ball Weld Load @ 25 °C	N kg	3283 335
ASTM D2266	Four Ball Wear Scar Diameter	mm	0.5
ASTM D1264 or DIN 51807 b	Water washout	%	<6

HOW TO USE

This grease 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

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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.