

# LUKOIL® POLYFLEX EP 00-160

Multipurpose Lithium Grease

## **DESCRIPTION**

LUKOIL® POLYFLEX EP 00-160 is a multipurpose grease, based on high-quality mineral base oil blend thickened with lithium soap and fortified with package of high-performance additives, improving lubricant efficiency.

LUKOIL® POLYFLEX EP 00-160 has good tribological features and can operate within a wide temperature range from -30 up to +120°C, under varying loads, as well as in contact with water and in wet environment conditions.

LUKOIL® POLYFLEX EP 00-160 reduces friction and wear, especially on the friction pairs subject to high loads. The grease is formulated to provide good thermal stability and good structure stability during storage and use.

LUKOIL® POLYFLEX EP 00-160 Grease has semi-fluid consistency and smooth structure.



### **ADVANTAGES:**

- Excellent pumping ability
- Excellent extreme pressure properties
- Low coefficient of friction
- Good water resistance
- Very good anti-corrosion properties
- Extended service life

### **COMPOSITION:**

- Highly purified mineral oil
- Specialty lithium soap
- EP, AW, anti-oxidation and anti-corrosion additives

### **APPLICATION IN UNITS:**

- Centralized lubrication systems
- Enclosed and open gear drives
- Lubrication of transmission clutches
- Rolling and sliding bearings
- Lubrication of the components made of nonferrous metals

### **APPLICATION EXAMPLES:**

- Industrial equipment
- Centralized lubrication systems in trucks, agricultural, lumbering, mining, and construction machinery where NLGI #00 class lubricating materials is recommended
- Gearbox types where lubrication with grease is required.

This product is manufactured according to STO 65561488-011-2014

## **LUKOIL® POLYFLEX EP 00-160**

### **TYPICAL PROPERTIES**

Standard*	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KP00K-30
ISO 6743-9	Marking according to ISO 6743-9		L-XCCEB 00
	Color, appearance	Straw, brown, homogeneous	
	Service temperature range	°C	-30 to +120
DIN 51818	NLGI consistency class		00
ISO 2137	Worked penetration (mixed, 60 double strokes)	mm/10	400-430
ISO 2137	Penetration change at 25°C after 10,000 cycles	mm/10	±18
DIN 51562	Base oil viscosity at 40°C	mm <sup>2</sup> /s	160
DIN 51562	Base oil viscosity at 100°C	mm <sup>2</sup> /s	15
ASTM D2596	Weld load (4-ball machine test) at 25°C	N	2800
ASTM D2266	Wear scar (4-ball machine test)	mm	0.5
DIN 51802	Corrosion degree (rolling bearings, distilled water)		0-0
ASTM D 4048	Corrosion degree (copper strip)		≤1b

\*DIN: Deutsche Industrie Norm.

ISO: International Standardization Organization.

ASTM: American Society for Testing and Materials.

### **HOW TO USE**

This grease can be applied manually with brush or spatula, as well as through individual lubrication system at the temperatures down to -30°C.

### **USABLE LIFE AND STORAGE**

When stored in the original unopened containers in a dry place, this product has a shelf life of at least 36 months from the date of production.

### **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 lubricating materials to meet your needs, for 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)