

# LUKOIL SIGNUM LP 00-150

Lithium-EP fluid grease for central lubrication systems

## Approvals

## Meets requirements

- DIN 51502
- DIN 51825 KPG 00 N-30
- ISO 6743-9 L-XCDEB00

## Product description

LUKOIL SIGNUM LP 00-150 is a lithium saponified fluid grease based on mineral baseoil with EP additives which has been refined with oxidation, wear and corrosion protection. LUKOIL SIGNUM LP 00-150 resists high mechanical loads and thermal stress and guarantees reliable protection of components even under high sliding and shock loads. Even after temporarily exceeding its dropping point, it regains its normal appearance and its normal properties.

LUKOIL SIGNUM LP 00-150 can be used universally in roller and plain bearings in vehicles, work and production machines. The good transportability through long pipelines enables the application in central lubrication systems. The universal area of application reduces the risk of mix-ups and also the storage costs. This fluid grease is also designed for continuous operation at high pressure and in a wide temperature range. It remains at the lubrication point over a wide temperature range.

## Application

- Plain and roller bearings
- Vehicles, work and production machines
- Central lubrication systems
- High pressure range
- Central lubrication systems
- Chassis grease
- Gearboxes and gear motors that are not oil-tight
- Sliding surfaces and guide tracks
- Continuous operation
- Wide temperature range
- Joints and bolts

## Benefits

### SUBJECTED TO HIGH LOADS

Reliably lubricates even under extreme pressure

### EFFECTIVE CORROSION RESISTANCE

Minimizes corrosion and premature wear

### STABLE LUBRICATION FILM

Protects the bearings even under heavy loads and shock loads

### RESISTANCE TO WATER

Enables outdoor usage

### PUMPABILITY

Easy flow in centralized systems

### HIGH OXIDATION RESISTANCE

Extends the service life of the lubricant and reduces maintenance and procurement costs

## Typical test data

The information given in the typical data does not constitute a specification and can be affected by allowable production tolerances. The right to make modifications is reserved by LUKOIL LUBRICANTS EAST EUROPE S.R.L.

Property	Test methods	Value
Marking according to DIN 51825	DIN 51825	KPG 00 N-30
Marking according to ISO 6743-9	ISO 6743-9	L-XCDEB00
Thickener		Lithium
Colour	visually	amber
Temperature range, °C	DIN 51818	-30 to +130
NLGI consistency class	ISO 2137/ ASTM D 217	00
Worked penetration (mixed, 60 double strokes), mm/10	DIN 51562	400 – 430
Base oil viscosity @ 40°C, mm <sup>2</sup> /s	DIN 51562	150
Dropping point, °C, min.	ISO 2176/ISO 6299	201
Weld load (4-ball machine test) at 25°C, N	ASTM D2596	3000
Wear scar (4-ball machine test), mm	ASTM D2596	0.55
Copper corrosion	ASTM D4048	1a

## Shelf life and storage

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When stored in the original unopened containers in a dry place, this product has a shelf life of 5 years from the date of production.

## Safety, Health, Environment

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This product doesn't contain any toxic ingredients. During storage, transportation and application of this product, the safety rules for handling lubricating materials and the environment protection regulations must be observed. For further information on how to use LUKOIL products, please refer to the material safety data sheet.