

# LUKOIL STEELO S

ully synthetic high performance gear lubricant based on poly-alpha-olefins (PAO)

## APPROVALS

Siemens MD (Flender) Revision 13  
 FLSmidth MAAG

## MEETS REQUIREMENTS

AGMA 250.04  
 AGMA 9005-D94  
 DIN 51517-CLP-HC  
 SEB 181226  
 US Steel 222,223,224  
 ISO 12925-1 L-CKT  
 Provisions of Timken Ltd. for rolling bearings  
 Failure load level DIN ISO 14635-1 A/8,3/90-M:>12

## PRODUCT DESCRIPTION

Oils of the **LUKOIL STEELO S series** shows outstanding aging-stability, best interfacial properties (demulsibility, air release and low foaming), perfect temperature-viscosity-properties combined with perfect shear stability and outstanding cold flow properties.

Perfect cold flow properties allow easy and wearfree start up even at very low temperatures. High viscosity-index and effective anti-wear-additives protect gears also at highest thermal loads. The given viscosity-index of the used base-oil provides absolute shear-stability and long life-time. Oils of the **LUKOIL STEELO S series** provides energy-saving due to low friction for wide temperature-ranges, smooth running of gears also at high temperatures, long oil drain-intervals and long life time of gears.

Oils of the **LUKOIL STEELO S series** can be mixed with mineral gear oils. This eases change from mineral to synthetic oil. Oils of the **LUKOIL STEELO S series** are compatible to commonly used elastomers and lacquers.

## APPLICATION

For gears, roller and glider bearings as well as for circulating lubrication systems working at very low and/or very high temperatures.

## TYPICAL TEST DATA

PROPERTY	Units	Test methods	LUKOIL STEELO S				
			68	100	220	320	460
density/15°C	kg/m <sup>3</sup>	DIN 51757	840	842	846	848	863
flash point COC	°C	ISO 2592	>225	>235	>240	>250	>230
viscosity class	ISO VG		68	100	220	320	460
Viscosity/40°C	mm <sup>2</sup> /s	DIN 51562/T1	66	102	216	314	450,7
Viscosity/100°C	mm <sup>2</sup> /s	DIN 51562/T1	10,3	14,3	25,2	34,3	46,1
Pourpoint	°C	DIN ISO 3016	<-54	<-48	<-42	<-39	<-36

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO "LLK-International"

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\* This document supersedes all previous versions

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