

# LUKOIL GEYSER BIO SYNTH X 46

fully synthetic, biodegradable multi-grade hydraulic oil based on synthetic esters; high proportion of regenerative raw materials

## APPROVALS

EU Eco Label  
MIA Vamil  
Swedish Standard SS 15 54 34

## SPECIFICATIONS & MEETS REQUIREMENTS

Biodegradable OECD 301 B  
Bosch Rexroth RD90221-1  
ISO 15380  
VDMA 24568 HEES

## PRODUCT DESCRIPTION

**LUKOIL GEYSER BIO SYNTH X 46** is a multifunctional hydraulic fluid with a high proportion of renewable raw materials. It is readily biodegradable insoluble in water. The product has very good low temperature properties and its high viscosity index (low viscosity-temperature dependency) guarantees optimum operating safety even with significant temperature variations.

**LUKOIL GEYSER BIO SYNTH X 46** shows good compatibility with elastomers used for hoses and seals.

It must not be mixed with mineral-based and/or zinc containing hydraulic oils.

## APPLICATION

**LUKOIL GEYSER BIO SYNTH X 46** can be used in static and mobile hydraulic systems under normal operating conditions in the construction industry, agriculture and forestry sectors, sewage treatment plants, runway vehicles etc.

**Remark:** Although the oil is readily biodegradable used oil must be disposed like any other oil even when small quantities of **LUKOIL GEYSER BIO SYNTH X 46** are emitted to the environment. The same applies in case of oil accidents!

**Please respect the manufacturers specifications!**

## TYPICAL TEST DATA

PROPERTY	Units	Test methods	LUKOIL GEYSER BIO SYNTH X 46
Density/15°C	kg/m <sup>3</sup>	DIN 51757	910
Flash point COC	°C	ISO 2592	>290
Viscosity class	---	ISO VG	46
Viscosity/40°C	mm <sup>2</sup> /s	DIN 51562/T1	45
Viscosity/100°C	mm <sup>2</sup> /s	DIN 51562/T1	9,2
Viscosity index	--	DIN ISO 2909	190
Pourpoint	°C	DIN ISO 3016	<-48
Biodegradability	%	OECD 301 B	>60

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"