

LAMORA HLP 32, 46, 68

Hydraulic oils acc. to DIN 51524 part 2



Benefits for your application

- **HLP hydraulic oils acc. to DIN 51524, part 2**
- **Good wear protection**
- **Service temperature range from –12°C to 120°C**

Description

LAMORA HLP are hydraulic oils based on mineral oils. They comply with the HLP requirements of DIN 51 524, part 2 and reduce friction and wear.

LAMORA HLP oils with residual quantities of the previous oil fill might reduce their performance. We therefore recommend cleaning the oil circuit thoroughly before applying LAMORA HLP oils for the first time.

Application

LAMORA HLP have been designed for use as hydraulic oils.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Application notes

LAMORA HLP oils are miscible with mineral oil-based hydraulic fluids. However, it should be taken into consideration that mixing

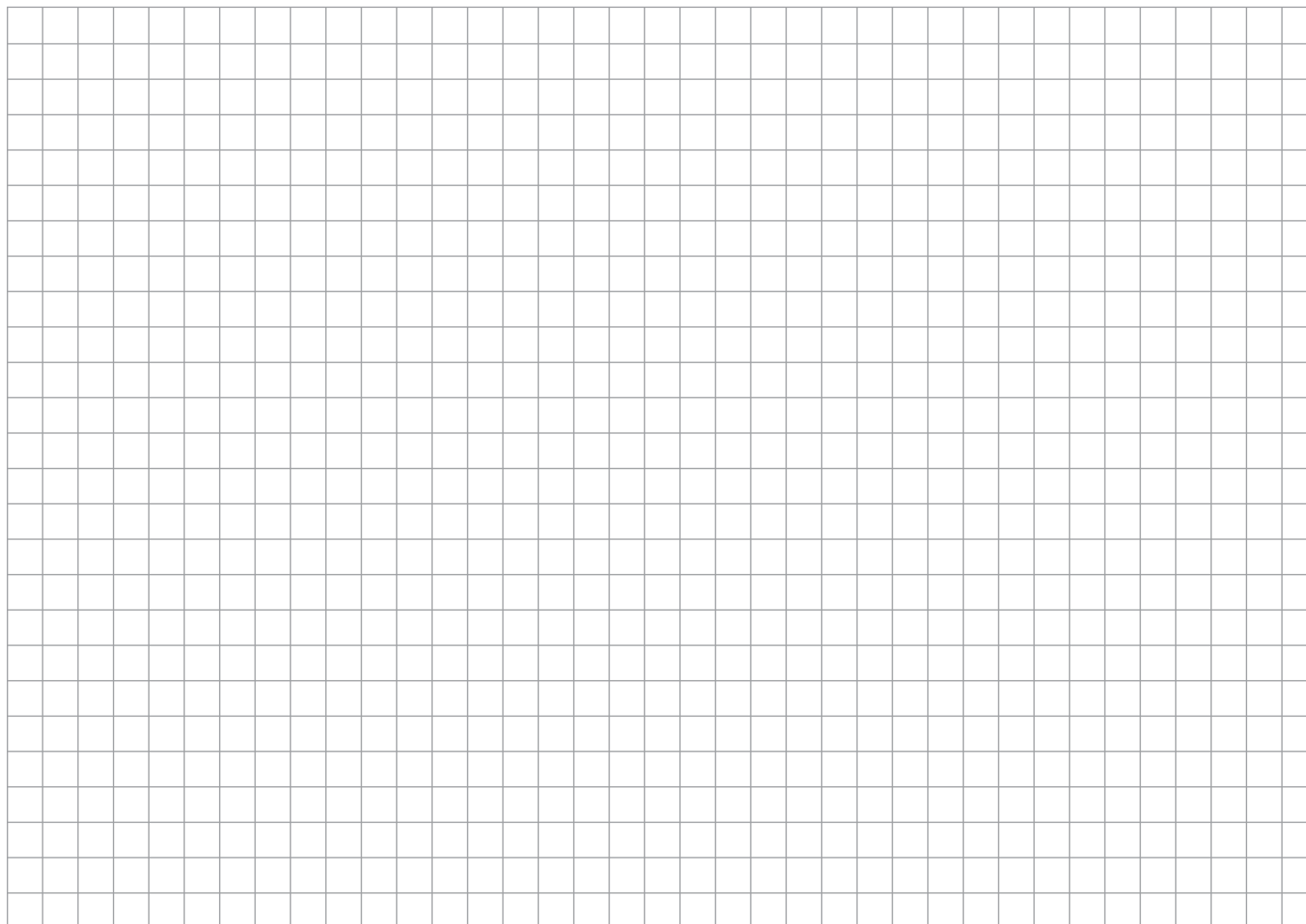
Pack sizes	LAMORA HLP 32	LAMORA HLP 46	LAMORA HLP 68
Canister 20 l	+	+	+
Drum 200 l	+	+	+

Product data	LAMORA HLP 32	LAMORA HLP 46	LAMORA HLP 68
Article number	031007	031008	031009
Lower service temperature	-15 °C / 5 °F	-12 °C / 10.4 °F	-12 °C / 10.4 °F
Upper service temperature	120 °C / 248 °F	120 °C / 248 °F	120 °C / 248 °F
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 32 mm²/s	approx. 46 mm²/s	approx. 68 mm²/s
Pour point, DIN ISO 3016	<= -18 °C	<= -15 °C	<= -12 °C
Density, DIN 51757, 20 °C	approx. 0.88 g/cm³	approx. 0.87 g/cm³	approx. 0.88 g/cm³
Chemical composition, type of oil	mineral oil	mineral oil	mineral oil
Appearance	clear	clear	clear
Colour space	yellow	yellow	yellow
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 months	12 months	12 months



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Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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