

LAMORA HLP 32, 46, 68

Hydraulic oils acc. to DIN 51524 part 2



Your benefits at a glance

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

Your requirements - our solution

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.

Application

LAMORA HLP have been designed for use as hydraulic oils.

Application notes

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

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.

Pack sizes	LAMORA HLP 32	LAMORA HLP 46	LAMORA HLP 68
Canister 5 l		+	
Canister 20 l	+	+	+
Drum 200 l	+	+	+
Container 1000 l		+	+

Characteristics	LAMORA HLP 32	LAMORA HLP 46	LAMORA HLP 68
Article number	031007	031008	031009
Composition, type of oil	mineral oil	mineral oil	mineral oil
Appearance	clear	clear	clear
Colour space	yellow	yellow	yellow
Service temperature, lower limit	-15 °C	-12 °C	-12 °C
Service temperature, upper limit	120 °C	120 °C	120 °C
Density, DIN 51757, 20°C	approx. 0.88 g/cm ³	approx. 0.87 g/cm ³	approx. 0.88 g/cm ³

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Characteristics	LAMORA HLP 32	LAMORA HLP 46	LAMORA HLP 68
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 32 mm ² /s	approx. 46 mm ² /s	approx. 68 mm ² /s
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	≤ -18 °C	≤ -15 °C	≤ -12 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months	36 months

Klüber Lubrication – your global specialist

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 95 years.

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