

UNIMOLY OIL series

Multipurpose oils with solid lubricant



Benefits for your application

- **High load-carrying capacity**
- **Wear protection**

Description

UNIMOLY Oils are multipurpose lubricants based on mineral oil and molybdenum disulphide (MoS₂) solid lubricant providing good load-carrying capacity and emergency lubricating properties. UNIMOLY Oils offer good corrosion protection and oxidation stability.

Compatibility with materials:

UNIMOLY Oils are neutral to most rubber-elastic sealing materials commonly used for mineral oils. Prior to series application, however, we recommend checking the resistance of the material in contact with the lubricant. UNIMOLY Oils are available in six viscosity grades thus covering a wide range of applications.

Application notes

UNIMOLY Oils can be applied by spraying, immersion or circulation lubrication systems.

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

UNIMOLY Oils are used for the lubrication of mechanical spur and bevel gears, rolling and plain bearings, chains and spindles.

Pack sizes	UNIMOLY OIL 100	UNIMOLY OIL 220	UNIMOLY OIL 460	UNIMOLY OIL 1500
Canister 20 l	+	+	+	+



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Product data	UNIMOLY OIL 100	UNIMOLY OIL 220	UNIMOLY OIL 460	UNIMOLY OIL 1500
Article number	030097	030098	030100	030116
Lower service temperature	-10 °C / 14 °F	-5 °C / 23 °F	-5 °C / 23 °F	0 °C / 32 °F
Upper service temperature	120 °C / 248 °F	120 °C / 248 °F	120 °C / 248 °F	120 °C / 248 °F
Colour space	black	black	black	black
Density, DIN 51757, 20 °C	approx. 0.88 g/cm ³	approx. 0.89 g/cm ³	approx. 0.9 g/cm ³	approx. 0.93 g/cm ³
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 11 mm ² /s	approx. 19.5 mm ² /s	approx. 30.5 mm ² /s	approx. 60 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 100 mm ² /s	approx. 220 mm ² /s	approx. 460 mm ² /s	approx. 1 500 mm ² /s
ISO viscosity grade, DIN ISO 3448	100	220	460	1 500
Pour point, DIN ISO 3016	approx. -15 °C	<= -10 °C	<= -10 °C	<= 0 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months	24 months	24 months	24 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 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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