

Klüberoil CM 1-220 Spray

Mineral-oil-based high-performance chain oil



Benefits for your application

- Reduced maintenance
- Ease of application
- Longer chain life
- Lower lubricant consumption
- Lower maintenance costs

Description

Klüberoil CM 1-220 Spray is a high-performance chain oil on a mineral oil base offering good wear and corrosion protection.

The antiwear properties of this product have been optimised via extensive testing on the Klüber power chain test rig ensuring the lubricant enables extended chain life.

Klüberoil CM 1-220 Spray easily penetrates into all chain parts. On evaporation of the solvent carrier fluid, an adhesive lubricant film is produced. The special formulation enables longer relubrication intervals, lower lubricant consumption, maintenance and lubricant cost savings.

Application

Klüberoil CM 1-220 Spray is used for the lubrication of conveyor, drive and lifting chains operating at normal ambient conditions and temperatures in a wide variety of industrial applications.

Application notes

Shake Klüberoil CM 1-220 Spray well before use and then spray between the chain side plates. Ensure sufficient ventilation as explosive mixtures may form. After spraying, wait until solvent has evaporated.

Do not spray near naked flame, incandescent or hot objects. Observe additional application notes in the material safety data sheet and on the can label. Protect product against direct sunlight and temperatures above 50 °C.

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	Klüberoil CM 1-220 Spray
Aerosol can 400 ml	+

Product data	Klüberoil CM 1-220 Spray
Article number	081294
Lower service temperature	-10 °C / 14 °F
Upper service temperature	100 °C / 212 °F
Colour space	yellow
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 220 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 19 mm ² /s
Viscosity index, DIN ISO 2909	>= 90
ISO viscosity grade, DIN ISO 3448	220



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Product data	Klüberoil CM 1-220 Spray
Pour point, DIN ISO 3016	≤ -10 °C
Four-ball EP tester, welding load, DIN 51350 part 2	$\geq 2\ 000$ N
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	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 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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