

PRIMIUM FLUID SPECIAL

High-temperature chain oil



Your benefits at a glance

- For service temperatures up to approx. 250 °C
- Good wear protection
- Low evaporation loss at high temperatures

Your requirements – our solution

The textile industry is demanding chain oils offering ever higher thermal stability and longer relubrication intervals.

With these requirements in mind, we developed our synthetic high-temperature chain oil PRIMIUM FLUID SPECIAL. PRIMIUM FLUID SPECIAL is a synthetic wear-protecting chain oil of medium viscosity forming an adhesive lubricating film. It is based on ester and synthetic hydrocarbons. PRIMIUM FLUID SPECIAL was designed to ensure reliable wetting of the metal surfaces in contact and protect the chain against wear and premature failure.

Due to the low evaporation losses and the good antiwear effect, PRIMIUM FLUID SPECIAL enables longer relubrication intervals and consequently lower operating costs.

Application

PRIMIUM FLUID SPECIAL is a high-performance high-temperature chain oil for use at high operating temperatures in various types of chains.

Typical chain types are oil-lubricated stenter chains of all designs such as

- roller chains
- chains or clips with ball bearings - combined lubrication of ball bearings, chain links and sliding rails
- sliding chains in single-layer stenters, multi-layer stenters, festoon dryers, festoon steamers, coating installations - lubrication of sliding rails, chain links and chain pins

Application notes

PRIMIUM FLUID SPECIAL can normally be used to replace other Klüber Lubrication chain oils without specific preparations. It is miscible and compatible with our chain oils so under normal operating conditions the chain system does not require prior cleaning. Oil reservoirs, however, should be completely drained prior to filling them with PRIMIUM FLUID SPECIAL.

PRIMIUM FLUID SPECIAL can be applied by means of customary pumping, spraying and metering equipment provided the manufacturers' viscosity instructions are observed. Lubrication intervals and quantities are determined by the chain design, lubrication technique and the variable operating conditions. At operating temperatures > 180 °C, chain oil consumption in stenter chains will be at approx. 1.5 to 2 ml of oil per chain metre and shift. Chain sliding rails should be lubricated continuously or at rather short intervals, taking into account the chain design and length. Long lubrication intervals tend to heighten the risk of wear damage due to lubricant starvation. It is better to apply precisely metered lubricant quantities at regular intervals, i.e. at least once per day or shift. Overlubrication should be avoided as splashing oil might contaminate the fabric.

If you wish to optimise the service life of your equipment or have any other questions regarding your application, our experts will be pleased to help you. We look forward to hearing from you.

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	PRIMIUM FLUID SPECIAL
Canister 5 l	+
Canister 20 l	+
Drum 200 l	+



PRIMIUM FLUID SPECIAL

High-temperature chain oil

Product data	PRIMIUM FLUID SPECIAL
Article number	067085
Chemical composition, type of oil	ester oil
Chemical composition, type of oil	synthetic hydrocarbon oil
Upper service temperature	250 °C / 482 °F
Colour space	yellow
Appearance	clear
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 300 mm ² /s
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.

Klüber Lubrication München SE & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.

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.

Publisher and Copyright: Klüber Lubrication München SE & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München SE & Co. KG and if source is indicated and voucher copy is forwarded.