

Klübersynth H 46-702

Synthetic special grease for torsion dampers and vibration dampers in vehicle drive trains



Your benefits at a glance

- Special grease tried and tested in series application
- Remains at the friction point even when exposed to high centrifugal forces
- Low oil separation
- Noise-damping during engine start, vehicle start and when operating under load

Your requirements - our solution

As a manufacturer of torsion dampers and/or vibration dampers you are likely to be facing the challenge of providing lifetime lubrication and reliable operation in combination with optimum damping and reduced wear.

The product Klübersynth H 46-702 from Klüber Lubrication offers the ideal solution for such applications. Klübersynth H 46-702 consists of fully synthetic base oils and a special lithium soap. Klübersynth H 46-702 shows good compatibility with frequently used plastic parts and seals.

As we have cooperated with international OEM partners for many years, we have sound and comprehensive expertise to support you with your application.

Application

For-life lubricated torsion dampers, e.g. two-mass flywheels in passenger cars or trucks. Klübersynth H 46-702 has been tested on series-produced parts under conditions resembling those in the field as well as in the actual applications exposed to high-frequency vibration and high centrifugal forces.

Application notes

Klübersynth H 46-702 can be applied to the friction point by spatula, grease gun and automatic lubricating 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.

Pack sizes	Klübersynth H 46-702
Bucket 25 kg	+
Drum 180 kg	+

Product data	Klübersynth H 46-702
Article number	012270
Chemical composition, type of oil	PAG
Chemical composition, thickener	special lithium soap
Lower service temperature	approx. -35 °C / -31 °F
Upper service temperature	160 °C / 320 °F
Colour space	beige
Texture	homogeneous
Texture	fibrous
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	250 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	280 x 0.1 mm



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Product data	Klübersynth H 46-702
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 700 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 110 mm ² /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Flow pressure of lubricating greases, DIN 51805, test temperature: -35 °C	<= 1 400 mbar
Oil separation, based on ASTM D 6184 [FTMS 791 C 321] after 30 h/150 °C	<= 3 % by weight
Drop point, DIN ISO 2176, IP 396	>= 250 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	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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