

Klübersynth H 46-463

Special synthetic lubricating grease for torsion dampers and vibration dampers



Your benefits at a glance

- Extended component life due to
 - shear stability of the special lubricant
 - controlled low oil separation
 - high tolerance for temperature peaks
- Very good noise damping and high comfort in the vehicle interior due to
 - modern and load-resistant soap concept
 - consistency of the special lubricating grease (NLGI 3)
 - constantly low friction coefficient

Your requirements - our solution

As a manufacturer of powertrain damping systems such as two-mass flywheels or crankshaft dampers, you need a lubricant which complies with the high requirements in terms of wear, damping and service life.

With Klübersynth H 46-463 we offer you a special lubricant based on fully synthetic oils, which fulfills the modern requirements of the automotive industry for vibration absorption, damping and service life of your components. Klübersynth H 46-463 contributes to reducing wear under extreme loads and shows good compatibility with frequently used plastics and seals in clutches.

Application

Klübersynth H 46-463 was especially developed for use in two-mass flywheels and torsion dampers in order to dampen vibrations caused by the rotational irregularities in current automotive engine models.

Application notes

The friction point should be cleaned with appropriate detergents prior to lubricating the components with Klübersynth H 46-463. Then lubrication can be carried out manually or with automatic metering systems. Prior to series application we recommend checking the pumpability in automatic lubricating systems and the compatibility of the materials in contact with the lubricant.

The colour of products manufactured using chemical processes may vary due to chemical/physical effects such as UV radiation. However, none of these colour variations is an indicator of altered product quality.

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 46-463
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+
Characteristics	Klübersynth H 46-463
Article number	012332

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Characteristics	Klübersynth H 46-463
Composition, thickener	lithium complex soap
Composition, type of oil	polyalkylenglycol
Colour space	beige
Texture	fibrous , homogeneous
Service temperature, lower limit	-30 °C
Service temperature, upper limit	150 °C
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	220 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	250 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 80 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 460 mm ² /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Oil separation, ASTM D6184, based on standard, 30 h, 150°C	≤ 2 % by weight
Flow pressure, DIN 51805-2, -30°C	≤ 1400 mbar
Dropping 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 90 years.

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