Klüberplex BEM 41-141

Lubricant for rolling and plain bearings subject to high loads

Your benefits at a glance

- Trouble-free operation due to wide service temperature with good pumpability and metering via centralised lubrication systems
- Longer service life of rolling bearings due to good wear protection characteristics also under vibration conditions
- Higher reliability of wind power stations due to good grease distribution and oil separation
- Low frictional resistance and reduced component temperature
- Reduced wear due to excellent lubricity
- Easy changeover to Klüberplex BEM 41-141 as the lubricant is miscible with other greases

Your requirements - our solution

Klüberplex BEM 41-141 offers good pressure and wear resistance and does not contain any inorganic solid lubricants like MoS2 or graphite.

Due to its good compatibility with commercial sealing materials, the grease can be used for a wide range of applications.

Application

Klüberplex BEM 41-141 has been especially designed for rolling bearings in wind turbines.

The lubricant can be used for the initial lubrication and relubrication of rotor, generator and pitch bearings in wind power stations.

Klüberplex BEM 41-141 can also be used for constant velocity joints in lateral and longitudinal shafts of vehicles as well as for highly loaded rolling and plain bearings subject to vibrations and oscillations.

Application notes

Klüberplex BEM 41-141 can be applied by means of brush, spatula, grease gun, grease metering gun, automatic low-quantity or standard metering systems, grease cartridge, and centralised lubrication systems. We recommend conducting a metering test in the original dosing device under practical operating conditions.

This product is also available in our automatic lubricant dispenser Klübermatic. Please consult the application engineering experts from Klüber Lubrication to determine whether Klübermatic might be used under the conditions in your processes.

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	Klüberplex BEM 41-141
Cartrigde 370 g	+
Can 1 kg	+
Bellow 5 kg	+
Bucket 5 kg	+
Bucket 25 kg	+
Bucket 50 kg	+
Drum 170 kg	+

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Characteristics	Klüberplex BEM 41-141
Article number	020320
Composition, thickener	lithium complex soap
Composition, type of oil	mineral oil , synthetic hydrocarbon oil
Colour space	yellow - green
Service temperature, lower limit	-40 °C
Service temperature, upper limit	150 °C
Density, Klüber method: PN 024, 20°C	approx. 0.88 g/cm³
NLGI grade, DIN 51818	1
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	310 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	340 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s^{-1}, lower limit	2000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s^{-1}, upper limit	4000 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 14 mm²/s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 130 mm²/s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -35°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.	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 95 years.

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