STABYL EOS E 2

Fully synthetic high-performance grease on a lithium soap base, especially for use in wind power plants

Performance Features

- **temperature range for use: -40 / +130 °C**
- **pronounced load carryingcapacity**
- **very good protection against wear**
- **excellent low temperature properties**
- **high ageing resistance**
- **reliable protection against corrosion**
- **high water resistance**

roller bearings | plain bearings | EP properties | low temperatures | water-resistant | corrosion protection

Description

STABYL EOS E 2 is a fully-synthetic high-performance grease, which is thickened with a special lithium-soap. Additionally, an outperforming package of Extreme Pressure and anti-wear additives are used. This combination provides STABYL EOS E 2 with an extremely wide working temperature range, accompanied by high ageing stability and outstanding EP properties.

Field of application

STABYL EOS E 2 was specifically designed for use in heavily loaded roller and plain bearings of wind power plants. Due to its wide operating temperature range, its high mechanical stability and its outstanding load carrying capacity, STABYL EOS E 2 is excellently suitable for the lubrication of the main rotor bearings.Moreover, it can also be used in the very demanding lubricating areas of the azimuth and the pitch bearings where its efficiency is valuable and almost equivalent to the performance of the special greases based on reactive white solid lubricants, which are

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nowadays well established in these applications. Therefore STABYL EOS E 2 is also excellently suitable as a single lubricant for all these applications, thus tremendously reducing the necessary efforts for a reliable grease supply in all these lubricating points.

Application

STABYL EOS E 2 can be applied by means of grease guns, automatic grease dispensing units as well as in central lubricating systems.

Technical Data: STABYL EOS E 2

Characteristics	Value	Unit	Test Method
Reference	KPE1-2K-40		DIN 51502
Colour	nature		
Temperature range	-40 / +130	° C	DIN 51825
Base oil	syn		
Thickener	Li		
Base oil viscosity [40°C]	320	mm²/s	DIN 51562-1
NLGI grade	1-2		DIN 51818
Dropping point	>180	° C	DIN ISO 2176
Water resistance	1-90	rating	DIN 51807-1
Oil separation [40 °C, 7 d]	<5	%	DIN 51817
Flow pressure [-40 °C]	<1000	hPa	DIN 51805
Copper strip test	1-100	rating	DIN 51811
EMCOR [dist. Water]	0/0	rating	DIN 51802
Four Ball Test welding load	3000/3200	N	DIN 51350-4
FAG-FE 8 test [ang. cont ball 7.5 min-1/80 kN]	<5	mg	E DIN 51819
Qualitative rating	very good		
FAG-FE 9 test A/1500/6000-120	F50 = 300	h	DIN 51821

LLS = LUBRITECH Laboratory Specification
Typical for current production. Variations in these characteristics may occur.

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We are specialized in developing products for extreme tribological problems in cooperation with end users.
FUCHS LUBRITECH provides service and individual advice. Please contact us!
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