

PRODUCT INFORMATION

NAVIGREASE BIO 0



Description

NAVIGREASE BIO 0 is an Environmentally Acceptable Lubricant (EAL) based on Lithium thickener and synthetic ester.

Application

NAVIGREASE BIO 0 is a high quality multipurpose EAL grease for marine applications. The grease is suitable for a wide range of deck and engine applications such as plain and roller bearings as well as central lubricating systems.

Features/Advantages and Benefits

- VGP compliant
- Good EP properties
- Good protection against corrosion, even in the presence of salt water
- Good water resistance
- Easily pumpable in central lubricating systems
- Suitable for various applications within the specified temperature limits
- Environmentally Acceptable Lubricant with EU Ecolable DE/027/203
- Meets DIN 51 502 specifications GLPE 0 K-40

Typical Characteristics

Characteristic	Method	Unit	BIO 0
Thickener	-	-	Lithium
Color	-	-	Light brown
NLGI-Grade	ASTM D 217	-	0
Penetration 60 strokes	ISO 2137	1/10 mm	360
Dropping point	IP 396	°C	194
Base oil viscosity at 40°C	ISO 12058	mm ² /s	320
Flow pressure at -40°C	DIN 51805	hPa	600
Temperature operating range	-	°C	-40...+120

MARINE IN ALL WE DO!

Health and Safety

The Safety Data Sheet is available on request and describes the product in terms of safety in use, handling and transport. The product is not classified as dangerous according to the Regulations 1907/2006 and 1272/2008 or the Directive 1999/45/EC. When used as intended, this product does not pose significant health risks. Repeated exposure may cause skin dryness or cracking. In case of skin contact, immediately wash the affected area with plenty of soap and water. Remove contaminated clothes.

Handling and Packaging

The compatibility and miscibility with comparable products from other suppliers with the same thickener and similar base oils have been tested successfully. Generally, grease made of Lithium thickener and mineral oil can be mixed with grease based on the same type of thickener and mineral oil. Equally, greases with different thickeners, e.g. Calcium complex and Lithium complex greases, are miscible with each other. However, these are only general guidelines and to benefit from full product performance the mixing of lubricants should be avoided or limited to a minimum. Hence, we recommend replacing old grease fillings where easily possible.

Re-lubrication shall be done when the condition of the lubricant is still suitable for continued service. The required quantity varies with bearing type, speed, temperature range and other related factors. Details shall be obtained from the manufacturer's manual.

The grease collar outside of bearings prevents ingress of dirt and water. When refilling the product, any ingress of dust and water must be avoided. It is possible to renew the entire grease fill if the system is equipped with grease nipples and exit holes.

Pails should be stored unopened in their original packaging, in an upright position and in a dry place. Avoid water contamination.

The product is available in pails. The pack size may vary in different regions or countries.

Further Information

For further information about LUKOIL Marine Lubricants please contact any representative of LUKOIL Marine Lubricants or visit our website www.lukoilmarine.com.

LUKOIL Marine Lubricants DMCC
January 2015

This data sheet and the information given are considered to be accurate to the best of our knowledge. While the physical and chemical characteristics are typical of current production and compliant to specification of «LLK International», variations in these characteristics may occur. No warranty expressed or implied, is given as to the accuracy or completeness of the information or suitability of the products.

«LLK International» and the distributor shall not be responsible for any damage or injury resulting from abnormal use of the product. The user will be always responsible to evaluate and use products safely and to comply with all applicable laws and regulations. Furthermore «LLK International» shall not be liable for any loss or damage resulting from any error or omission in this document.