

PRODUCT INFORMATION

NAVIGREASE CSX 2

Description

NAVIGREASE CSX 2 is a calcium sulphonate complex thickened multi-purpose lubricating grease.

Application

NAVIGREASE CSX 2 is a high quality multi-purpose grease for marine applications. The calcium sulphonate complex soap is the basis for excellent load carrying capacity making the product suitable for heavily loaded applications. The grease is suitable for a wide range of plain and rolling bearings as well as wire ropes and open gears.

Features/Advantages and Benefits

- Excellent load carrying capacity and mechanical stability
- Very good protection against corrosion, even with presence of salt water
- Water resistant
- Suitable for various applications within given temperature limits
- Meets DIN 51825 specifications KP2N-20 and OG2N-20

Typical Characteristics

Characteristic	Method	Unit	
Thickener	-	-	Calcium Sulphonate Complex
Color	-	-	Pale brown
NLGI-Grade	ASTM D 217	-	2
Penetration 60 strokes	ISO 2137	1/10 mm	265 - 295
Dropping Point	IP 396	°C	> 280
Base Oil Viscosity at 40°C	ISO 12058	mm ² /s	200
Temperature Operating Range	-	°C	-20...+160

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Health and Safety

The Safety Data Sheet is available on request and describes the product from the points of view of safety in use, handling and transport. The product is not classified as dangerous according to the provisions of the Regulation 1907/2006, and of the Directives D67/548/CEE and 1999/45/CE, respectively. Under normal use conditions, this product does not pose significant risks for the health. Repeated exposure may cause skin drying or cracking. Immediately wash the area that came in contact with the product with plenty of water and soap. Remove contaminated clothes.

Handling and Packaging

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

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 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 in their unopened original packaging, in an upright position and in a dry place. Always 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 web site www.lukoilmarine.com.

LUKOIL Marine Lubricants Ltd.
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