

PRODUCT INFORMATION

NAVIGREASE CSX 2

Description

NAVIGREASE CSX 2 is a calcium sulphonate complex thickened multipurpose lubricating grease.

Application

NAVIGREASE CSX 2 is a high quality multipurpose grease for marine applications. The calcium sulphonate complex soap is the basis for excellent load carrying capacity, which makes the product suitable for applications under high loads. The grease is suitable for a wide range of plain and roller 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 in the presence of salt water
- Water resistant
- Suitable for various applications within the specified temperature limits
- Conforms to DIN 51 502 specifications KP 2 N-20 and OG 2 N-20

Typical Characteristics

Properties	Test Method	Data	Unit
Thickener	-	Calcium sulphonate complex	-
Colour	-	Pale brown	-
NLGI Grade	ASTM D217	2	-
Penetration worked at 25°C (Pw 60)	DIN ISO 2137	265 – 295	1/10 mm
Dropping point	IP 396	> 280	°C
Base oil viscosity @ 40°C	ISO 12058	200	mm ² /s
Temperature operating range	-	-20 – 160	°C
Copper corrosion 24h/100°C	ASTM D4048	1a	-

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 Regulation 1272/2008 or the Directives 67/548/EEC and 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, greases 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. In addition, 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 in order 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. For details please refer to the manufacturer's manual.

The grease collar outside of bearings prevents dirt and water ingress. 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.

All packages should be stored unopened in their original package in upright position and in a dry place. Avoid water contamination.

The product is available in pails. The pack size can 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