

CSH 3

Calcium Sulfonate Complex Greases

Description

ELDON'S CSH 3 is an advanced industrial type calcium sulfonate complex grease, especially formulated to cope with the severest operating conditions, heavy loads, long re-lubrication intervals, high speeds etc. Due to its special soap structure it offers excellent performance in wet and humid environments and a long service life. It offers protection and effective lubrication at high temperatures where other complex greases cannot perform.

Applications

ELDON'S CSH 3 is intended primarily as a multipurpose grease for the lubrication of rolling element bearings operating over a wide range of temperatures. It is especially recommended for use at high temperature applications, where the superior characteristics of the calcium sulfonate outperforms any other alkali based grease. It's excellent resistance to seawater makes it ideal for applications where the presence of water cannot be avoided.

Advantages

- Outstanding lubrication properties at temperatures up to + 260 °C.
- Maintains its characteristics for long storage periods
- Protects against wear and corrosion.
- Effective protection against rust and corrosion.
- Fine protection from oxidation and wear.
- Superior performance ensuring longer life of grease and bearings.

Performance Level

- DIN 51502
- DIN 51825 KP3P-20
- ISO 6743-9 L- XBFHB3

Typical Characteristics

CSH 3	METHOD	NLGI 3
Product Code		ELD10607
Soap Base		Calcium Sulfonate Complex
Colour		Light Brown
Texture		Tacky
NLGI Grade		3
Worked Penetration at 25 °C, 1/10 mm	ASTM D217	220 – 250
Dropping Point, °C min	ASTM D2265	340
Four Ball Test Welding Point (kgf)	ASTM D2596	400
Scar Diameter	ASTM D2266	0.35
Rust Preventive Properties	ASTM D1743	Pass
Water Washout characteristics, % loss, wt at 79 °C	ASTM D1264	1.2
Viscosity of Base oil at 40 °C, cSt	ASTM D445	220
Working Temperature		-20 to +260

Due to continuous product development and improvement, the information in this data sheet may be altered without prior notice.

Method of Application

ELDON'S CSH 3 can be applied manually, or by using a standard grease gun. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge bearings prior to application. Do not over-lubricate bearings; apply the quantity of grease recommended by the bearing manufacturer.



Health and Safety

Avoid prolonged or repeated contact of used lubricants with skin. In case of skin contact wash well. Used lubricants should be collected in special containers and disposed of in accordance to local legislation. For additional information please consult with the Material Safety Data Sheet (SDS).

Available Packages

Pail [16 kg], Drum [180 kg]

(For more available packages please contact your sales representative or the sales department)