



MULTI CSM 2

High Performance Calcium Sulfonate Complex Grease

Product Overview

MULTI CSM 2 is a calcium sulfonate complex thickened lubricating grease based on mineral oil. The grease contains antioxidants, corrosion inhibitors and molybdenum disulphide. The product does not contain conventional EP- and AW-additives since they are built in as an integral part of the soap structure.

MULTI CSM 2 is a modern high-performance product especially suitable for industrial applications. The extreme load carrying capacity and the excellent water resistance make the product a perfect choice for heavily loaded applications in hot or wet and corrosive environments. The molybdenum disulphide provides extra protection in applications with slow moving or oscillating bearings.

Lubricating greases with molybdenum disulphide are not suitable for rolling bearings at high speed.

Benefits

- Excellent resistance to shock loads
- Outstanding shear stability under heavy duty service for extended operating life
- Excellent water resistance
- Extra tackiness for improved adhesive properties

Applications

- Heavily efficient in severely loaded off-highway equipment operated under severe services such as mining, cement and sugar industries

Health and Safety

This lubricant is unlikely to produce any significant health or safety hazard when used in the application it has been designed for and according to the recommendations provided in the Material Safety Data Sheet. MSDS are available upon request through your sales advisor.

When disposing of used oil, please observe all current regulations and protect the environment.

MULTI CSM 2		
Typical properties		
Test parameters	Method	
NLGI Grade	ASTM D 217	2
Thickener		Calcium sulfonate complex
Colour	Visual	Brown
Classification	ISO 12924	L-XB(F)DIB2
Classification	DIN 51502	KPF2N-20
Base Oil Viscosity @ 40 °C, mm2/s	ASTM D 7152	390
Base Oil Viscosity @ 100 °C, mm2/s	ASTM D 7152	24
Penetration 60 strokes	ISO 2137	290-320
4-ball weld Load	DIN 51350:4	6500 N
Water Resistance at 90°C	DIN 51807:1	1
Water washout at 79°C	ISO 11009	<10%
Emcor salt water	ISO 11007	≤ 2 - 2
Flow pressure at -20°C	DIN 51805 mod	<1400 mbar
SKF R2F B at 140°C	SKF	Pass
Density	IP 530	990 kg/m3
Temperature range of use		-20 °C to +140 °C(max +180°C)

Above characteristics are mean values given as information. They do not constitute a specification.