



MULTI CSM5

High Performance Calcium Sulfonate Complex Grease

Product Overview

MULTI CSM5 is a high-performance calcium sulfonate complex grease containing molybdenum disulphide (MoS₂). It has been developed to meet the demanding lubrication requirements of heavy-duty equipment in construction and mining, as well as heavily loaded bearings. It offers exceptional resistance to water wash out and corrosion.

Benefits

- Excellent resistance to oxidation, corrosion and rust
- 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 CSM5

Typical properties

Test parameters	Method	
NLGI Grade	ASTM D 217	2
Thickener		Calcium sulfonate complex
Base fluid		Mineral
Colour	Visual	Black
Classification	DIN 51502	KPF2N-20
Classification	ISO 12924	L-XB(F)DIB2
Base Oil Viscosity @ 40 °C, mm ² /s	ASTM D 7152	450
Base Oil Viscosity @ 100 °C, mm ² /s	ASTM D 7152	31
Penetration 60 strokes	ISO 2137	265-295
4-ball weld load	DIN 51350:4	6500 N
Water resistance at 90°C	DIN 51807:1	1
Water wash out at 38°C	ISO 11009	<5%
Emcor salt water	ISO 11007	≤ 2 - 2
Flow Pressure at -20°C	DIN 51805 mod	< 1400 mbar
SKF R2F B at 140°C	SKF	N/D
Density	IP 530	N/D
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.