



Research & Development

## PRODUCT DATA SHEET

### AXCL EnduroShield Calcite Grease

AXCL EnduroShield Calcite Grease is a revolutionary calcium sulfonate grease fortified with cutting-edge calcite technology. This advanced formula surpasses conventional greases, delivering unparalleled performance and protection in the most demanding industrial environments. Calcites within the formula form a microscopic shield, significantly reducing wear and tear on machinery components even under the most demanding conditions. AXCL EnduroShield Calcite Grease delivers unparalleled performance and protection, ensuring smooth operation, extended equipment life, and reduced maintenance costs for your most critical machinery.

#### Key Features

- **Calcite Fortified:** Calcites within the grease form a microscopic shield, significantly reducing wear and tear on machinery components even under extreme pressures, high operating temperatures (up to 300°C), and constant water exposure.
- **Superior Load Carrying Capacity:** Engineered to handle the heaviest loads and extreme pressures encountered in heavy-duty machinery.
- **Exceptional Anti-Wear and EP Protection:** Minimizes friction and wear, extending equipment life and reducing maintenance costs.
- **Excellent Water Washout and Spray Off Resistance:** The advanced formula adheres tenaciously to surfaces, providing long-lasting lubrication even in wet and harsh environments.
- **Rust and Oxidation Inhibition:** Protects metal surfaces from rust and corrosion, ensuring smooth operation and preventing costly downtime.
- **Environmentally Friendly:** Formulated with responsible ingredients, minimizing environmental impact.

#### Benefits & Advantages

- Extended equipment life through superior wear protection
- Reduced maintenance costs due to extended lubrication intervals
- Reliable operation in extreme temperatures, heavy loads, and wet environments
- Enhanced protection against rust and corrosion
- Environmentally conscious choice

#### Applications

AXCL EnduroShield Calcite Grease is ideal for a wide range of heavy-duty machinery operating under severe conditions, including:

- Steel mills, paper mills, sawmills, cement plants





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- Mines, rock crushing, metal foundries
- Construction equipment, heavy-duty vehicles
- Electrical motors and conductors exposed to salt, acid, or high moisture environments

### Specification & Parameter

Sl#	Test	Method	Result
1.	Appearance	Visual	Smooth & Homogenous
2.	NLGI Grade	D 217	2
3.	Unworked Penetration @ 25°C	D 217	285
4.	Drop Point, °C	D 556	> 330
5.	Rust testing, Rating	D 1763	Pass
6.	Soap type	-	Calcium Sulfonate Complex
7.	Base Oil Viscosity, cSt	D 128	460
8.	Four Ball Weld load, Kg	D 2783	620
9.	Water Washout, wt %	D 1264	< 2.5
10.	Water Spray Off, %	D 4049	< 15.0
11.	Timken Ok Load, lbs	D 2509	65
12.	Operating Temperature, °C	-	- 30°C to 300°C

*\*Technical data provided here is for reference only. Minor variations in product typical test data are to be expected.*

### Storage & Handling

The product should be stored indoors and stored in a clean and dry location. Keep it properly sealed to avoid contamination.

### Health & Safety

Contamination of the oil from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.

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