



Technical Data Sheet

- Heavy Duty Protection
- High Temperature
- High Water Resistance

Shell SRS Grease 2000 Moly

Premium multipurpose calcium sulfonate complex grease fortified with solid additives

Shell SRS 2000 Moly Grease is a premium, high temperature, long life grease for heavy duty industrial, mining and construction applications where high water resistance and mobility are needed.

This product is formulated with a blend of highly refined mineral base stocks in a calcium sulfonate complex thickener. This combination provides high temperature performance coupled with excellent load carrying capacity. SRS 2000 Moly has excellent mechanical stability and oxidative resistance which prolongs grease service life. It is fortified with performance enhancing additives and polymers that enhance sealing and protect components from water contamination, providing effective corrosion protection.

The product is fortified with solid additives to provide additional protection from shock loading and facilitate sliding contact in pin and bushing applications.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Exceptional Resistance to Water Washout**
Allowing the grease to work under very wet conditions. Ensures lasting protection even in the presence of large amounts of water contamination.
- **Outstanding Mechanical Stability**
To prevent grease breakdown, even in the presence of water.
- **Enhanced extreme-pressure properties**
Excellent load-carrying performance/Extreme Pressure and Anti-wear performance.
- **Excellent Adhesion (Tackiness)**
Stays in place for longer re-lubrication intervals.
- **High dropping point**
Resistant to high temperatures.

- **Effective corrosion protection**
Ensures components/bearings do not fail due to corrosion.
- **Re-greasing Intervals**
For bearings operating near their maximum recommended temperatures, re-greasing intervals should be reviewed.

Main Applications



Shell SRS 2000 Moly Grease is intended for the lubrication of shock loaded, heavy duty slow moving bearings, pins and bushings such as those in large mobile mining equipment. It is suitable for environments with high water contamination and high ambient temperatures.

Specifications, Approvals & Recommendations

Meets or exceeds performance requirements of many Mining and Construction Original Equipment Manufacturers. Contact your local Shell representative for details.

Typical Physical Characteristics

Properties	Method	Shell SRS Grease 2000 Moly
NLGI Consistency		2
Colour	Visual	Grey/Black
Soap Type		CaSX
Base Oil (type)		Mineral
Dropping Point	°C minimum	250
Solids	wt%	5

Properties			Method	Shell SRS Grease 2000 Moly
Kinematic Viscosity	@40°C	cSt	ASTM D445	150
Four Ball Weld Load		Kg	ASTM D2596	620
Four Ball Wear Scar		mm maximum	ASTM D2266	0.5
Water Washout		% maximum	ASTM D1264	3
Mobility	@-17.8°C	g/min	USS DM 43	1.4

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

• Health and Safety

Shell SRS Grease 2000 Moly is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Traditional heavy metal containing additives have been removed to minimize environmental impacts.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <http://www.epc.shell.com>

• Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

• Operating Temperature

Nominal operating temperatures from -10°C to 160°C.

• Advice

Advice on applications not covered here may be obtained from your Shell representative.