



Technical Data Sheet

- Reliable Protection
- Multi-purpose Applications
- Lithium

Shell Rotella MP Grease

Multi-Purpose Lithium Grease

Shell Rotella MP Grease is a high quality multipurpose, extreme-pressure grease based on a blend of high viscosity index mineral oils and a lithium hydroxystearate soap thickener and contains extreme-pressure and other proven additives to enhance performance in a wide range of applications.

Shell Rotella MP Grease is designed for multipurpose grease lubrication of on and off-road vehicles and equipment for general chassis, springs, pivot points, low speed bearings (not disc-brake wheel bearings), and ancillary equipment such as mowers, trailers, lifts, loader buckets, etc.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Outstanding Load Carrying Capacity**

Shell Rotella MP Grease contains special extreme-pressure additives which enable them to withstand heavy and shock loads without failure of the lubricant film.

- **Improved Mechanical Stability**

This is particularly important in vibrating environments where poor mechanical stability can lead to grease softening with subsequent loss of lubrication performance and leakage.

- **Good Resistance to Water Wash-out**

Shell Rotella MP Grease has been formulated to offer resistance to water wash-out.

- **Oxidation Stability**

Specially selected base oil components have excellent oxidation resistance. Their consistency will not alter in storage and they withstand high operating temperatures without hardening or forming bearing deposits.

- **Good Corrosion Resistance Characteristics**

Shell Rotella MP Grease reliably protects bearing surfaces against corrosion, even when a high amount of water is present.

Main Applications



Shell Rotella MP Grease is designed for:

- Vehicle chassis and general equipment lubrication.
- General home and shop lubrication including hinges, door mechanisms, garage and workshop equipment, trailers, hitches, and other moving parts.

Specifications, Approvals & Recommendations

- ASTM D4950 LB

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Rotella MP Grease
NLGI Consistency				2
Soap Type				Lithium
Base Oil				Mineral
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	220
Kinematic Viscosity	@100°C	cSt	IP 71 / ASTM D445	19
Cone Penetration, Worked	@25°C	0.1mm	IP 50 / ASTM D217	265-295
Dropping Point			IP 396	180
Four Ball Weld Load			ASTM D2596	315

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 Rotella MP Grease 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.

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>

- **Hydraulic Brake Rubber Components**

Care should be taken to ensure that the grease does NOT come into contact with hydraulic brake rubber components.

- **Protect the Environment**

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

Additional Information

- **Operating Temperature**

Shell Rotella MP Grease is recommended for the operating temperature range -20°C to +130°C.

- **Re-greasing Intervals**

For bearings operating near their maximum recommended temperatures, re-greasing intervals should be reviewed.

- **Advice**

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