



Shell Nerita Grease 0460

Superior Performance Ball Joint Grease

Shell Nerita Grease 0460 was designed for use in suspension system plastic ball joints of commercial vehicles and passenger cars.

Shell Nerita Grease 0460 is particularly suitable for the lubrication between plastics materials and metals and shows very good compatibility with major plastics or oil/rubber seal materials.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Excellent compatibility**
With major plastics and oil/rubber seal materials.
- **Excellent oxidation stability**
Allowing long term use without degradation.
- **Very low temperature performance**
For extreme temperature conditions.
- **Good anti-rust properties**
Protecting metal surfaces from corrosion.

Main Applications



- Plastic ball joints for passenger cars and commercial vehicles.
- Contact points between plastics and metals.
- Lubrication points requiring very good grease compatibility with plastic materials.

Specifications, Approvals & Recommendations

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

Typical Physical Characteristics

Properties			Method	Shell Nerita Grease 0460
Cone Penetration, worked	@25°C	0.1 mm	ASTM D217	313
Copper Corrosion test 24 hrs	@100°C		ASTM D4048	Pass
Rust protection test 48 hrs	@52°C		ASTM D1743	Pass
Compatibility with major plastics and oil / rubber seal material				Good
NLGI Consistency				1
Colour				White
Soap type				Compound
Base Oil (type)				Special Mineral (synthetic like)
Base Oil Viscosity	@40°C	mm ² /s	ASTM D445	24
Base Oil Viscosity	@100°C	mm ² /s	ASTM D445	5.1
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	24
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	5.1
Dropping Point		°C minimum	ASTM D566	120

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 Nerita Grease 0460 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/>

- **Protect the Environment**

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

- **Operating Temperature Range**

-40°C to +100°C.

Additional Information

- **Advice**

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