



Technical Data Sheet

- Heavy Duty Protection
- High Speed
- Blue Lithium Complex

Shell Gadus S2 Steel Mill Grease 2

Shell Gadus S2 Steel Mill Grease is a premium specialty grease for high-speed industrial applications

Shell Gadus S2 Steel Mill Grease 2 is formulated with high viscosity index mineral oils containing performance additives that enhance load carrying capacity and corrosion protection.

Shell Gadus S2 Steel Mill Grease is especially suitable for heavy-duty bearings operating at high temperature and under severe load.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Excellent mechanical stability even under vibrating conditions**
Consistency retained over long periods, even when subjected to vibration
- **Enhanced extreme-pressure properties**
Excellent load-carrying performance.
- **Excellent water resistance**
Ensures lasting protection even in the presence of large amounts of water
- **Effective corrosion protection**
Provides corrosion protection in the presence of moisture contamination

Main Applications



Shell Gadus S2 Steel Mill Grease 2 is a specialty product for the lubrication of heavily loaded, higher speed bearings:

- Steel
- Paper
- Chemical Industry

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 Gadus S2 Steel Mill Grease 2
NLGI Consistency				2
Colour				Blue
Soap Type				Lithium complex
Base Oil (type)				Mineral
Cone Penetration, Worked	@-25°C	0.1mm	IP 50 / ASTM D217	265-295
Base Oil Viscosity	@40°C	cSt	IP 71 / ASTM D445	46
Base Oil Viscosity	@100°C	cSt	IP 71 / ASTM D445	6.5
Dropping Point			IP 396	250
Four Ball Weld Load			ASTM D2596	500
Four Ball Wear Scar			ASTM D2266	0.6
Pumpability Long Distance				Excellent

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 Gadus S2 Steel Mill Grease 2 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 <https://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**

Operating temperature range -20°C to 140°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.