



Shell Gadus S3 U460AC 0

- Heavy Duty Protection
- Calcium Sulfonate Complex
- Water Resistance

Multi-purpose calcium sulfonate complex grease for steel and heavy-duty industrial applications

Shell Gadus S3 U460AC 0 is part of Shell's comprehensive range of multi-purpose greases for central lubrication and enclosed gear applications. The product offers excellent performance in moderate to slow speed applications that experience sustained heavy loads and elevated temperatures. The product provides excellent corrosion protection, mechanical stability and oxidative resistance, making it well suited for central lubrication and enclosed gear applications.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Enhanced load-carrying and wear protection properties**
Offers excellent extreme pressure and anti-wear performance for heavily loaded slow and moderate speed bearings.
- **Excellent mechanical stability even in challenging conditions**
Consistency retained during extended operating periods, even when exposed to severe mechanical shear and vibration.
- **Effective in wet conditions**
Ensures lasting performance even in the presence of heavy water contamination and provides excellent corrosion resistance.
- **Exhibits oxidative resistance**
Suitable for use where there are high continuous bearing operating temperatures.

Main Applications



Shell Gadus S3 U460AC 0 is primarily intended for the grease lubrication of heavy-duty, slow-moving bearing applications in steel and industrial settings:

- Enclosed gear applications
- Mining and cement (Crusher, grinding, roller press, conveyors, mill bearings)

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 S3 U460AC 0 | |
|-------------------------|--------|--------|-------------------|-------------------------|-----|
| NLGI Consistency | | | | 0 | |
| Colour | | | | Green | |
| Thickener type | | | | CaS Complex | |
| Base Oil (type) | | | | Mineral | |
| Kinematic Viscosity | @40°C | cSt | IP 71 / ASTM D445 | 460 | |
| Kinematic Viscosity | @100°C | cSt | IP 71 / ASTM D445 | 25 | |
| Cone Penetration Worked | @25°C | 0.1 mm | IP 50 / ASTM D217 | 355 to 385 | |
| Dropping Point | | | °C minimum | ASTM D2265 | 230 |
| Four Ball EP Weld Point | | | kg | ASTM D2596 | 315 |
| Four Ball Wear Scar | | | mm maximum | ASTM D2266 | 0.6 |

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 S3 U460AC 0 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

Recommended operating temperature range -10°C to +150°C

- **Advice**

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