



Shell Gadus S2 OGH 1000

- High Load
- High Temperature
- Aluminium Complex

High Performance Open Gear Lubricant

Shell Gadus S2 OGH 1000 grease is designed for use in high temperature open gear applications such as grinding mills and rotary cement kiln gears.

The product is designed to be sprayed onto the gears.

Shell Gadus S2 OGH 1000 grease is based on an Aluminum Complex thickener dispersed in a high viscosity base oil containing graphite.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **High Temperature**
High quality Aluminum Complex thickener provides high temperature performance.
- **Excellent pumpability**
Shell Gadus S2 OGH 1000 can be readily pumped to allow easy distribution via spray systems onto the gear teeth.
- Suitable for use with most spray systems designs
- Excellent load carrying capacity under severe conditions
- High base oil viscosity
- Increased adhesiveness
- Contains solid additive to ensure excellent shock loading
- Contains no bitumen or chlorinated solvents

Main Applications



- High temperature open gears in the cement industry
- Rotary kiln and grinding mill open gears
- Rotary driers, granulators, pelletizers

Specifications, Approvals & Recommendations

- Ferry Capitain
- FLSmidth
- Woerner
- Lincoln Helios

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

Typical Physical Characteristics

| Properties | | | Method | Shell Gadus S2 OGH 1000 |
|-------------------------------|--------|-------|-------------------|-------------------------|
| NLGI Consistency | | | | 00 |
| Colour | | | | Dark grey |
| Soap Type | | | | Aluminium Complex |
| Base Oil (Type) | | | | Mineral |
| Solid Lubricant | | | | Graphite 10% |
| Base Oil Viscosity | @40°C | cSt | ASTM D445 | 1 000 |
| Base Oil Viscosity | @100°C | cSt | ASTM D445 | 42 |
| Cone Penetration, Worked | @25°C | 0.1mm | IP 50 / ASTM D217 | 400-430 |
| Dropping Point | | | °C minimum | IP 396 |
| Four Ball Test | | | kg | ASTM D2596 |
| FZG A/2.76/50 Load Stage Pass | | | | DIN 51354 |
| FZG - Specific Wear | | | mg/kWh maximum | DIN 51354 |
| | | | | 800 |
| | | | | 12 pass |
| | | | | 0.2 |

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 OGH 1000 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

- **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.