



Formerly Known As: Shell Steelrol Grease EPH 1

Shell Gadus S3 V1000A 1

- Heavy Duty Protection
- High Temperature
- Lithium Calcium

Premium Multipurpose Heavy Duty Grease

Shell Gadus S3 V1000A Greases are lithium-calcium greases based on high viscous mineral oils, containing antioxidants, rust inhibitors, EP- and AW-additives. The greases have excellent adhesion and water resistance, extreme load carrying capacity and excellent mechanical stability in the presence of water or emulsion.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- Extreme load carrying capacity.
- Excellent adhesion and water resistance.
- Excellent mechanical emulsion.

Main Applications



- Shell Gadus S3 V1000A Greases are developed for lubrication of heavily loaded bearings operating at low speeds and under running conditions where they may be submitted to severe water spraying/flushing.

- Continuous casting machines, support, intermediate and work rolls in tandem, trim, roughing, universal and pilger mills.

Shell Gadus S3 V1000A 2 is suitable for hot rolling as well as cold rolling. Shell Gadus S3 V1000A 1 is suitable for continuous casting where the bearing temperature is below +140°C.

- Heavily loaded slow running swivel bearings and sliding 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 V1000A 1 | | |
|---|--------|-------------------------|-------------------|---------------|
| NLGI Consistency | | 1 | | |
| Penetration, worked 60 strokes (0.1 mm) | 0.1mm | IP 50 / ASTM D217 | 310-340 | |
| Dropping Point | °C | IP 396 | 170 | |
| Base Oil Viscosity | @40°C | cSt | IP 71 / ASTM D445 | 950 |
| Base Oil Viscosity | @100°C | cSt | IP 71 / ASTM D445 | 42 |
| Rust Preventing Properties : SKF Emscor distilled water | | | | Pass |
| Rust Preventing Properties : SKF Emscor WWO distilled water | | | | Pass |
| Lubricating Ability SKF R2F A | | | | Pass |
| Lubricating Ability SKF R2F B | @130°C | | | Pass |
| Water Washout | | ASTM D1264 | | 5% |
| 4 Ball Test, Weld Load | N | | | 4800 |
| Temperature Range (temporarily) | °C | | | -20/+130(140) |

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 V1000A 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 Material 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.

Additional Information

- **Advice**

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