Technical Data Sheet

Formerly Known As: **Shell Steelrol Grease EPH 2**

Shell **Gadus** ***S3 V1000A 2***

- 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 2
NLGI Consistency				2
Penetration, worked 60 strokes (0.1 mm)		0.1mm	IP 50 / ASTM D217	265-295
Dropping Point		°C	IP 396	180
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 Emcor distilled water				Pass
Rust Preventing Properties : SKF Emcor 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		6000
Temperature Range (temporarily)		°C		-15/+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.