



Formerly Known As: Shell Retinax Fifth Wheel Grease, Shell Rhodina SDX 2

Shell Gadus S3 A1000XD 2

- Heavy Duty Protection
- Water resistant
- Calcium

Premium Greases with Extra Solids

Shell Gadus S3 A1000XD is a heavy duty calcium grease formulated with a high level of solid additives for enhanced load carrying capability. The high solids content and heavy base oil utilized in this product are designed to provide an effective lubricant film under the high loads and constant sliding contact.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Outstanding load carrying capability**
Efficient lubrication of heavily loaded components.
- **Excellent surface adhesion and resistance to water**
Resists both washout and spray-off.
- **Excellent adhesive properties**
In heavy load and shock conditions.
- **Resistant to flaking and clumping**

Specifications, Approvals & Recommendations

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

Main Applications



- Fifth wheels and turntables
- Ball mill gears
- Forklifts (rails and wheel drive gears)
- Slipper drives (steel mills)
- Rigs (back-up legs)
- Dredging (cutting heads)
- Traveling water screens

Typical Physical Characteristics

Properties			Method	Shell Gadus S3 A1000XD 2
NLGI Consistency				2
Soap Type				Calcium
Color				Dark grey
Base Oil (type)				Mineral
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	1000
Kinematic Viscosity	@100°C	cSt	IP 71 / ASTM D445	36.5
Cone Penetration, Worked	@25°C	0.1mm	IP 50 / ASTM D217	265-295
Dropping Point		°C (°F)	IP 396	140 (284)
Four Ball EP Weld Point		kgf	ASTM D2596	500
Four Ball Wear (1 hr / 40 kgf / 1200 rpm)	@75°C		ASTM D2266	0.6
Water Washout		wt % maximum	ASTM D1264	3
Water Spray off		wt % maximum	ASTM D4049	20

These characteristics are typical of current production. While future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

- **Health and Safety**

Shell Gadus S3 A1000XD 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 Material Safety Data Sheet, which can be obtained from <https://www.epc.shell.com>

- **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Additional Information

- **Operating Temperature Range**

Proven performance in ambient temperatures from -20°C (-4°F) to 110°C (230°F).

- **Advice**

Product recommendations for applications and specifications not covered here may be obtained from your Shell representative.