



Formerly Known As: Shell Malleus Grease OGM Extra Heavy

# Shell Gadus S3 OG 2

- Excellent Wear Resistance
- Heavy Duty Protection
- Aluminium Complex

## Premium Open Gear and Wire Rope Grease

Shell Gadus S3 OG 2 is primarily designed for applications in mining equipments, shovels and excavators in open cut operations.

Gadus S3 OG is based upon an Aluminium Complex soap thickener dispersed in a high viscosity base oil containing enhanced extreme pressure – antiwear chemistry.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

- **Excellent load carrying capacity under severe operation conditions**  
Grease contains selected components to ensure excellent resistance to shock and permanent heavy load.
- **Very high mechanical and thermal stability**  
Grease thickener structure is designed to resist mechanical stress and high temperature.
- **Withstanding severe operation conditions**  
Like dust and dirt contamination, water, changes in temperature.
- **Maintain over time adhesive characteristic**  
Thanks to performing and advanced polymere technology ensuring durable protection.
- **No addition of chlorinated solvents & undesired heavy metals**  
No chlorinated solvent and lead have been added intentionally to the products.

#### Main Applications



- Open gears
- Sticks
- Circle Rail and rollers
- Antifriction bearings
- Bushings

#### Specifications, Approvals & Recommendations

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

#### Typical Physical Characteristics

Properties			Method	Shell Gadus S3 OG 2
NLGI Consistency				2
Colour				Black
Soap Type				Al Complex
Base Oil (type)				Mineral
Solid Lubricant				Yes
Base Oil Viscosity	@40°C	cSt	IP 71 / ASTM D445	3200
Base Oil Viscosity	@100°C	cSt	IP 71 / ASTM D445	110
Cone Penetration	@25°C	0.1mm	IP 50 / ASTM D217	275-295
Dropping Point			IP 396	240
Four Ball Test			IP 236	620
Four Ball Wear Scar			ASTM D266	Max 0.7

Properties		Method	Shell Gadus S3 OG 2
Four Ball Load Wear Index (LWI)	Kg	ASTM D2596	120
Rust Test		ASTM D1743	Pass
Copper Strip		ASTM D4048	1b

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 OG 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 <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

- **Operating Temperature Range**

From 0°C up to +60°C

- **Advice**

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