Previous Name: **Shell Malleus Grease OGM Extra Heavy**

Shell Gadus S3 *OG 2*

Premium Open Gear and Wire Rope Grease

- ***Excellent Wear Resistance***
- ***Heavy Duty Protection***
- ***Aluminum Complex***

Shell Gadus S3 OG 2 is primerly 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.

Applications

Typical applications for Gadus S3 OG are:

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

Performance Features

- ***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 performing and advanced polymere technology ensuring durable protection
- ***No addition of chlorinated solvents & undesired heavy metals***
  any of chlorinated solvent and lead have been added intentionally to the products.

Operation Temperatures :

From 0°C up to +60°C

Approvals and Recommendations

Shell Gadus S3 OG 2 is designed to meet Liebherr Specification.

Health & Safety

Shell Gadus S3 OG is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained. Prolonged or repeated contact with the skin should be avoided.

For further guidance on product Health and Safety refer to the appropriate Shell Product Safety Data Sheet.

Typical Physical Characteristics

Shell Gadus	**S3 OG**
NLGI Consistency	2
Colour	Black
Soap Type	Al Complex
Base Oil (type)	Mineral
Solid Lubricant	Yes
Base Oil Viscosity @ 40°C cSt 100°C cSt (IP 71/ASTM-D445)	 3200 110
Cone Penetration Worked @ 25°C 0.1 mm (IP 50/ASTM-D217)	275 - 295
Dropping Point °C (IP 132/ASTM-D566-76)	240
Four Ball Test Kg (IP 236)	620
Four Ball Wear Scar mm (ASTM D 2266)	Max 0.7
Four Ball Load Wear Index (LWI) Kg (ASTM D 2596)	120
Rust Test (ASTM D 1743)	Pass
Copper Strip (ASTM D 4048)	1b

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

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative

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