



Technical Data Sheet

- High Viscosity
- High Load
- Aluminum Complex
- High Temperature

Shell Gadus S4 OGFP

High Performance Open Gear Lubricant

Shell Gadus S4 OGFP grease is designed for use in highly loaded open gear applications such as grinding mills and rotary kiln gears.

The product is designed to be sprayed onto the gears.

Shell Gadus S4 OGFP grease is based on an Aluminum Complex thickener dispersed in a high viscosity semi-synthetic base oil containing solid lubricant additives.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **High Temperature**
High quality Aluminum Complex thickener provides high temperature performance
Temperature Range -10°C to >55°C.
- **Excellent pumpability**
Shell Gadus S4 OGFP can be readily pumped to allow easy distribution via spray systems onto the gear teeth
- **Suitable for use with most spray systems designs**
- **Excellent load carrying capacity under severe conditions**
- **Semi-synthetic base oil**
- **Contains solid additives to ensure excellent shock loading**
- **Contains no bitumen or chlorinated solvents**

Main Applications



- Highly loaded open gears in the mining and cement industry
- Grinding mill open gears, Rotary kiln open gears
- Rotary driers, pelletizers

Typical Physical Characteristics

Properties	Method	Shell Gadus S4 OGFP
NLGI Consistency		00
Colour		Dark Gray
Soap Type		Al Complex
Base Oil (type)		Semi-synthetic
Cone Penetration	@25°C 0.1mm	ASTM D217 400 - 430

Specifications, Approvals & Recommendations

Shell Gadus S4 OGFP is designed to meet the following specifications:

- AGMA
- METSO Outotec
- FLSmidth
- Falk
- NCI
- Ferry Captain
- CMD
- David Brown
- Weorner, Graco, Lincoln, Faval

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

Properties			Method	Shell Gadus S4 OGFP
Kinematic Viscosity	@40°C	cSt	ASTM D445	10 000
Solid Lubricant				Yes
Four Ball Weld Load		kg	ASTM D2596	800
Four Ball Wear Scar		mm maximum	ASTM D2266	0.6
Dropping Point		°C minimum	IP 396	190
FZG Failure		Load Stage minimum	DIN 51354	12

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 S4 OGFP 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 Safety Data Sheet, which can be obtained from <https://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.

- **Re-greasing Intervals**

For advise on re-greasing intervals contact Shell Lube Experts.