



## Technical Data Sheet

- Superior Wear Resistance
- Excellent Low Temperature
- Aluminum Complex

# Shell Gadus S3 OGK

## Open Gear and Wire Rope Grease

- Shell Gadus S3 OGK is an extremely versatile multi-service lubricant that provides all-season service. Shell Gadus S3 OGK simplifies the lubrication and maintenance of mining and industrial equipment through its wide range of applications.

## DESIGNED TO MEET CHALLENGES

### Performance, Features & Benefits

- **Environmentally friendly**  
Contains no chlorinated solvents or heavy metals.
- **Multi-service capabilities**  
Can be used in a wide range of applications.
- **Reduced consumption**  
Stays in place resulting in lower lubrication costs, minimizes clean-up and disposal costs.
- **Outstanding anti-wear properties**
- **Outstanding mobility and pumpability**

- Mining/Construction – Draglines, shovels, open gears, bushings, rollers and rails, dipper sticks and handles, low to moderate speed anti-friction bearings, low speed enclosed gear cases
- Mills and kilns – open gears
- General industrial open gears, pins and bushings and sliding surfaces

### Specifications, Approvals & Recommendations

- Bucyrus International SD 4713
- P&H 520

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

### Main Applications



### Typical Physical Characteristics

Properties			Method	Shell Gadus S3 OGK
NLGI Consistency (without solvent)				0
Colour				Black
Soap Type				Al Complex
Base Oil (type)				Semi Synthetic
Solid Lubricant				Yes
Base Oil Viscosity (without solvent)	@40°C	cSt	ASTM D445	1860
Base Oil Viscosity (without solvent)	@100°C	cSt	ASTM D445	77.2
Cone Penetration (Worked)	@25°C	0.1 mm	ASTM D217	370
Four Ball EP Test - Weld Load kg			ASTM D2596	800
Four Ball EP Test - Load Wear Index (LWI)			ASTM D2596	160
Four Ball Wear Scar			ASTM D2266	0.6
Copper Strip			ASTM D4048	2a

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 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 <http://www.epc.shell.com>

- **Protect the Environment**

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

Operating Temperature Range

- From -28°C up to +35°C for Shell Gadus S3 OGK

## Additional Information

- **Advice**

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