



- Heavy Duty Protection
- Aluminium Complex

Shell Gadus S4 OGH 100

Superior Performance Open Gear

Shell Gadus S4 OGH 100 is a full EP Grease developed for the lubrication and protection of open gears subjected to extremes of ambient temperature and operating conditions.

Shell Gadus S4 OGH 100 combines high performance with an environmentally safe chemistry that minimizes the cost of disposal and provide optimum performance, providing a tenacious lubricant film that resists 'fling off'.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- Shell Gadus S4 OGH 100 provides a durable protective coating to metal surfaces without the use of bitumen, solvents or heavy metals.
- Shell Gadus S4 OGH 100 generates a tough, durable film on metal surfaces, which minimizes metal-to-metal contact and wear. Lubricant consumption is reduced compared to traditional open gear lubricants of the fluid type.
- Shell Gadus S4 OGH 100 contains graphite and MoS2.
- Special additive technology greatly enhances the effectiveness of graphite and MoS2. This unique combination enhances the separation of extremely loaded gear teeth and creates a durable protective film on the contact surfaces of machine components.
- **Reduced Maintenance/Housekeeping**
Shell Gadus S4 OGH 100 retains its natural protective properties and remains pliable over its long working life. Resists drying out in gear teeth or shrouds even in extremely dusty conditions.
- **Excellent anti-wear performance**
Molybdenum disulphide and other solid lubricants combine to reduce tooth contact zone temperatures, reduce gear surface pitting and alleviate 'stick-slip' conditions

• Very good load carrying capacity

Shell Gadus S4 OGH 100 forms a protective cushion between gear teeth and resists 'fling off', 'squeeze out' and oil separation.

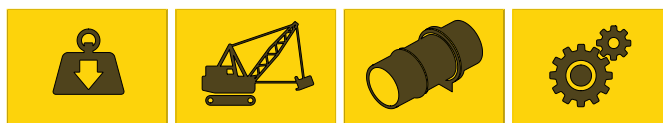
• Water resistant

Effectively resists water 'wash-off' by immersion or spray.

• Corrosion protection

Protects metal surfaces from corrosion in hostile environments such as salt-water conditions. Repels dirt and dust.

Main Applications



- Shell Gadus S4 OGH 100 is recommended for the lubrication of all types of grinding mills and kilns.

Specifications, Approvals & Recommendations

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

Typical Physical Characteristics

Properties			Method	Shell Gadus S4 OGH 100
NLGI Consistency				00
Colour				Black
Thickener type				Aluminium Complex
Base Oil (type)				Semi-Synthetic
Cone Penetration, Worked	@25°C	0.1 mm	IP 50 / ASTM D217	400 - 430
Kinematic Viscosity	@40°C	cSt minimum	IP 71 / ASTM D445	2 500

Properties	Method	Shell Gadus S4 OGH 100
4 Ball EP test	kg	IP 239 800
Water Resistance	DIN 51807	fully resistant

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 OGH 100 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

Recommended operating temperature range -18°C to +150°C

- **Advice**

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

- **Dispensing**

Shell Gadus S4 OGH 100 may be applied manually or by conventional centralised automatic lubrication systems.