



Technical Data Sheet

- Superior Wear Resistance
- Heavy Duty Protection

Shell Gadus S4 OG Clear Oil 20000

Advanced Open Gear, large Journal Bearings and Wire Rope Lubricant

Shell Gadus S4 OG Clear Oil 20000 is an advanced part-synthetic, non-bitumastic viscous lubricant specifically developed to satisfy the demands of heavily loaded open gearing and large journal bearings as found in heavy industry and sugar mill applications.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

• High Viscosity

The very high viscosity of Shell Gadus S4 OG Clear Oil has been achieved by combining synthetic oil with thickening effect and high viscosity mineral oils. The use of synthetic oil with thickening effect has also produced a lubricant with high viscosity index, which provides good pumpability at low temperatures while maintaining high viscosity at elevated temperatures.

• Gear Inspections

Static and dynamic inspections are much easier to view the gear condition without cleaning off the grease or oil as the lube film is clear and you can inspect the gearing through the lube film.

• Extreme Pressure Performance

The high viscosity base oils are combined with extreme pressure additives to give the lubricant very high film strength and extreme load carrying capability needed for the protection of heavily loaded open gearing.

• Pumpability

Shell Gadus S4 OG Clear Oil can be applied in automatic lubrication systems previously used for bitumastic lubricants, e.g. Farval, Wakefield, Tecalomit, Lincoln etc. The viscous oil nature of the lubricant allows it to be gravity fed into equipment centralised lubricators if required.

Main Applications



- Developed specifically for the lubrication of medium-size to large girth gear drives. It provides good adhesion, excellent resistance to high pressure and protection against wear.
- Shell Gadus S4 OG Clear Oil incorporates synthetic oil with thickening effect and high viscosity mineral oils blended with extreme pressure additives to give a modern high performance open gear lubricant.
- Slow moving journal bearings including Sugar Mill bearings.

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 OG Clear Oil 20000
Appearance			Visual	Clear and Bright
Base Oil (type)				Part Synthetic
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	20 000
Kinematic Viscosity	@100°C	cSt	IP 71 / ASTM D445	590
Viscosity Index				175
Four Ball Weld Load	N		ASTM D2783	8 000
Flash Point (COC)	°C		ASTM D92	220

Properties		Method	Shell Gadus S4 OG Clear Oil 20000
Pour Point	°C	ISO 3016	0
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 OG Clear Oil 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.