



Previous Name: Shell Sugar Mill Clear

Shell Gadus S2 OG Clear Oil 20000

- Good Wear Resistance
- Corrosion protection

High Performance Clear Open Gear Lubricant

Shell Gadus S2 OG Clear Oil is a high performance, semi-synthetic, non-bitumastic viscous lubricant specifically developed to satisfy the demands of heavily loaded applications in open gears and slow rotating journal bearings. Shell Gadus S2 OG Clear Oil is formulated to minimize brass bearing and steel roller wear and maintain normal bearing temperatures under extreme operating conditions. Shell Gadus S2 OG Clear Oil incorporates synthetic thickeners and high viscosity mineral oils blended with extreme pressure additives to give a modern high performance sugar mill brass bearing lubricant.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **High Viscosity**

The very high viscosity of Shell Gadus S2 OG Clear Oil has been achieved by combining synthetic thickeners and high viscosity mineral oils. The use of synthetic thickeners has also produced a lubricant with high viscosity index which provides good pumpability at low temperatures while maintaining high viscosity at elevated temperatures.

- **Extreme pressure performance**

The high viscosity base oils are combined with extreme pressure additives to give a lubricant with very high film strength and load carrying performance needed for the protection of sugar mill brass bearings and rollers.

- **Improved protection**

Very high viscosity for greater film strength and lower tendency to squeeze out in highly loaded and slowly rotating sugar mill brass bearings and rollers.

- **Protect Equipment better**

Resists water and juice washout due to the very high viscosity and tenacity of the lubricant.

- **Prolong Equipment Life**

Excellent load carrying performance provides superior brass bearing wear protection and maintains normal bearing temperatures during extreme operating conditions.

- **Ease of Use**

Suitable for application via lubrication equipment previously used to apply bitumastic lubricants.

- **Disposal**

Reduce disposal problems associated with bitumen containing lubricants.

Main Applications



- **Pumpability**

Shell Gadus S2 OG Clear Oil can be applied in lubrication equipment previously used for bitumastic lubricants, eg Farval, Wakefield, Tecalamit, Lincoln etc. The viscous oil nature of the lubricant allows it to be gravity fed into sugar mill centralized lubricators if required.

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 S2 OG Clear Oil 20000
Appearance			Visual	C&B
Viscosity of Base Oil	@40°C	cSt	IP 71 / ASTM D445	20000
Viscosity of Base Oil	@100°C	cSt	IP 71 / ASTM D445	425
Viscosity Index (VI)			ASTM D2270	145
density	@15°C	kg/l	ASTM D4052/D1298	0.95
Four Ball Test Wear Load		kg	ASTM D2596	400
Flash Point		°C	ASTM D93	230
Pour Point		°C	ASTM D97	6

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

Health, Safety & Environment

• Health and Safety

Shell Gadus S2 OG Clear Oil 20000 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 Material Safety Data Sheet, which can be obtained from <http://www.epc.Shell.com/>

• Protect the Environment

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

Additional Information

• Advice

Product recommendations for applications and specifications not covered here may be obtained from your Shell representative.