



Previous Name: Shell Sugar Mill Clear Oil LT  
**Shell Gadus S2 OG Clear Oil 6800**

- Good Wear Resistance
- Corrosion protection

*High Performance Clear Open Gear Lubricant*

Shell Gadus S2 OG Clear Oil 6800 is a high performance, semi-synthetic non-bitumastic lubricant. It is based on a careful blend of high viscosity mineral oils, synthetic thickeners and selected additives.

**DESIGNED TO MEET CHALLENGES**

**Performance, Features & Benefits**

- High viscosity which provides higher film strength and lower tendency for squeeze out in high loaded and slowly rotating sugar mill brass bearings and rollers.
- Help protect equipment by resisting water and washout due to the high viscosity and tenacity of the lubricant.
- Excellent load carrying performance provides excellent brass bearing wear protection.
- Suitable for application via lubrication equipment previously used to apply bitumastic lubricants.

**Main Applications**



- For heavily loaded applications such as open gears and journal bearings  
 Shell Gadus S2 OG Clear Oil can be applied in lubrication equipment previously used for bitumastic lubricants, e.g. Farval, Wakefield, Tecalamit, Lincoln ect. The viscous oil nature of the lubricant allows it to be gravity fed into sugar mill centralized lubricators if required.

The 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 helps to provide good pumpability at low temperatures while maintaining high viscosity at elevated temperatures. 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.

**Specifications, Approvals & Recommendations**

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

**Compatibility & Miscibility**

- Seal & Paint Compatibility  
 Compatible with the elastomers, gaskets, seals and paints normally used in the sugar mill industry.

**Typical Physical Characteristics**

| Properties                             |        |                    | Method     | Shell Gadus S2 OG Clear Oil 6800 |
|--|--------|--------------------|------------|----------------------------------|
| Color                                  |        |                    |            | Bright and Clear                 |
| density                                | @15°C  | kg/m <sup>3</sup>  | ISO 12185  | 903                              |
| flashpoint                             |        |                    | ASTM D92   | >220                             |
| Pour Point                             |        |                    | ASTM D5950 | -6                               |
| Kinematic Viscosity                    | @40°C  | mm <sup>2</sup> /s | ASTM D445  | 6800                             |
| Kinematic Viscosity                    | @100°C | mm <sup>2</sup> /s | ASTM D445  | 240                              |
| Copper Corrosion (3 hrs, 100°C rating) |        |                    | ASTM D130  | 1b                               |
| Four Ball EP Weld Load                 |        |                    | ASTM D2596 | 250                              |
| Timken EP OK Load                      |        |                    | ASTM D2509 | 60                               |

| Properties                  | Method     | Shell Gadus S2 OG Clear Oil 6800 |
|-----------------------------|------------|----------------------------------|
| FZG-Test Failure Load Stage | ASTM D5182 | >12                              |

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 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

### • Handling & Storage

All lubricants should be stored separately from other chemicals and out of direct sunlight or other heat sources. Store between 0°C and 50°C / 32 – 122°F. Provided that the product has been stored under these conditions we recommend that the product be used within 2 years from the date of manufacture. Consult your local Shell Company for details.

Accept for use new Shell Gadus S2 OG Clear Oil only if the manufacturer's seal is intact. Before opening the pack ensure the area around the closure is clean. It is recommended that it be cleaned with potable water and then dried with a clean cloth before opening.

Record the date the seal was broken. To prevent product contamination, always close the package after use. Upon opening a pack, the product must be used within 1 year (or within 2 years of date of manufacture, whichever is the sooner).

### • Advice

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