



Previous Name: **Shell Cardium Fluid EP**

Shell Gadus S1 OG 1600

Open Gear and Wire Rope Fluid

- *Suitable Wear Resistance*

Applications

Shell Gadus S1 OG 1600, is recommended for open gears, sliding surfaces of drag lines, construction and dredging equipment, chain and sprocket lubrication, or other applications where high viscosity adhesive products are required.

Performance Features

Shell Gadus S1 OG 1600 is a blend of bitumen, highly refined mineral oils, selected EP additives and high flash point, non-chlorinated, volatile aliphatic diluent ensuring fluidity during application, even at low temperatures. Its performance benefits include: -

- **Excellent extreme-pressure properties**
Allows maximum load transmission whilst protecting gear teeth and other machine elements in particular under boundary lubrication conditions.
- **Very high adhesive characteristics**
Once the diluent has evaporated, the lubricant builds an adhesive high-strength consistent film ensuring protection of gear teeth even under hard operation/weather conditions. The lubricant can easily be cleaned up with solvents.
- **Excellent anti-wear performance**
Long interval between maintenance schedules.
- **Good low temperature properties**
Can be pumped at low temperatures without the risk of plugging feed lines or nozzles. The product remains flexible, retains its adhesive properties and will not crack or flake off gear teeth.

Operating Temperature Range

The minimum operating temperature ranges from -10°C with a maximum range up to 95°C.

Health & Safety

Shell Gadus S1 OG 1600 is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

Typical Physical Characteristics

Colour	Black
Type	Bitumastic
Base Oil (type)	Mineral
Kinematic Viscosity @ 100°C (ISO 3104) without diluent mm ² /s	1600
Kinematic Viscosity@ 100°C (ISO 3104) with diluent mm ² /s	56
Kinematic Viscosity @ 40°C (ISO 3104) without diluent mm ² /s	100,000
Kinematic Viscosity @ 40°C (ISO 3104) with diluent mm ² /s	1660
Flash Point ASTM D 92 °C	110
EP Performance	
Wear scar IP 239 mm	0.25
Weld load ASTM D 2596 Kg	500

Typical Physical Characteristics

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

Advice

Advice on applications not shown on this leaflet may be obtained from your Shell Representative