



Technical Data Sheet

- Wear Resistance
- Long Life
- Aluminum Complex

Shell Gadus S2 OGT 0

Advanced Multi-Season Open Gear and Wire Rope Grease

Shell Gadus S2 OGT 0 is designed for use in heavy applications, and operations under Multi-Season conditions, in mining equipment, shovels, draglines and excavators in open cut operations.

Shell Gadus S2 OGT 0 is based on Aluminium Complex soap thickener with medium and high viscosity mineral base oil containing enhanced extreme pressure and antiwear chemistry.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Good load carrying capacity under severe operation conditions**
Grease contains selected components to ensure excellent resistance to shock and permanently heavy loads.
- **Very high mechanical and thermal stability**
Grease thickener structure is designed to resist mechanical stress and high temperature.
- **Withstanding severe operation conditions**
Like dust and dirt contamination, water, and changes in temperature. Shell Gadus S2 OGT 0 is optimized for the use in ambient temperatures between -10°C and $+50^{\circ}\text{C}$. If equipment operates in other ambient, Gadus S2 OG MS or Gadus S2 OGXK should be considered.
- **Maintain adhesive characteristic over time**
Thanks to advanced polymer technology ensuring durable protection. Forms a dark coating on metal surfaces that is adhesive and highly water resistant.
- **Wear reduction**
- **Environmental compliance**
Shell Gadus S2 OGT 0 is formulated without chlorinated solvent or lead.

Main Applications



- Open gears on draglines, shovels, excavators, stackers, reclaimers and milling equipment
- Stickshifts
- Circle Rail and rollers
- Heavily loaded, slow moving antifriction bearings
- Bushings
- Open gears in Industrial sector such as cement, waste treatment or steel industry
- Spray systems

Specifications, Approvals & Recommendations

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

Typical Physical Characteristics

Properties			Method	Shell Gadus S2 OGT 0
NLGI Consistency				0
				Black
Soap Type				Al Complex
Base Oil (type)				Mineral
Solid Lubricant				Yes
Base Oil Viscosity	@40°C	cSt minimum	ASTM D445	2 500
Flash Point (PMCC) of base oil			ASTM D93	140
Cone Penetration	@25°C	0.1mm	ASTM D217	375 - 430
Four Ball Weld Load			ASTM D2596	800
Four Ball Wear Scar			ASTM D2266	0.6
Four Ball Load Wear Index (LWI)			ASTM D2596	120
Flash Point of base fluid			ASTM D92	150
Rust Test			ASTM D1743	Pass
Copper Strip	24h @ 100°C		ASTM D4048	1b
Pumpability, Lincoln Ventmeter	@-10°C	seconds maximum	Time to vent from 1800 psi to less than or equal to 600 psi	30

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

Health, Safety & Environment

• Health and Safety

This product 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

• Operation Temperatures

General maximum operating temperature + 140°C if not restricted by other equipment/application requirements.

• Advice

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

