



Technical Data Sheet

Formerly Known As: **Shell ROV Cable Grease**

Shell Gadus S3 Wirerope A

Premium Wirerope Grease

Shell Gadus S3 Wirerope A Grease is a lithium / calcium complex grease based on a high viscous mineral oil containing anti-oxidants and corrosion inhibitors. The grease has a special design with a unique load carrying capacity, where the EP and wear preventing components have been incorporated into the thickening agent.

- Heavy Duty Protection
- Water resistant
- Lithium / Calcium Complex

DESIGNED TO MEET CHALLENGES

Main Applications



Shell Gadus S3 Wirerope A Grease is specially developed for the lubrication and rust inhibition of steel armoured ROV cable operating in saltwater environment in arctic as well as tropical climate. The product can also be used for other types of wire and chain where excellent adhesion, rust inhibiting and water repelling properties are requested. The grease can be applied using central lubrication systems of the type "Masto™".

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 S3 Wirerope A Grease
NLGI Consistency		1.5
Penetration, worked 60 strokes (0.1 mm)	IP 50 / ASTM D217	300
Dropping Point °C	IP 396	260
Kinematic Viscosity @40°C cSt	IP 71 / ASTM D445	520
Kinematic Viscosity @100°C cSt	IP 71 / ASTM D445	35
Rust Preventing Properties : SKF Emcor distilled water		Pass
Rust Preventing Properties : SKF Emcor WWO distilled water		Pass
Rust Preventing Properties : SKF Emcor WWO synthetic saltwater		Pass
4-Ball Test, Weld Load N		Min 7200
Water Washout Test	ASTM D1264	Max 5%
Temperature Range (temporarily) °C		-15/150 (200)

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 S3 Wirerope A Grease 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 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.