



Previous Name: Shell Malleus HDX

# Shell Gadus S3 Wirerope T

- Heavy Duty Protection
- High Temperature
- Clay

Premium Wirerope and Open Gear Grease

Shell Gadus S3 Wirerope T is a full EP lubricant developed for the lubrication and protection of open gears, wire ropes and sliding surfaces. The grease is based on high viscosity mineral oils, inorganic soap thickener and carefully selected additives to provide optimum performance.

## DESIGNED TO MEET CHALLENGES

### Performance, Features & Benefits

- **Excellent anti-wear performance**  
At working temperatures, speeds and pressures, Shell Gadus S3 Wirerope T forms a protective cushion between the girth gear and pinion teeth.
- **Superb load carrying capacity**  
Contains 10% graphite to reduce tooth contact zone temperatures, reduce gear surface pitting and alleviate 'stick-slip' conditions.
- **Adhesiveness**  
Has very good adhesive properties and is easy to apply on both dry and wet surfaces.
- **Water repellent**  
Effectively resists water 'wash-off'.
- **Corrosion protection**  
Protects metal surfaces from corrosion in hostile environments such as salt water conditions. Repels dirt and dust.

### Main Applications



- Lubrication of open gears, gear racks, wire ropes and sliding surfaces.
- Open gears in rotating furnaces, crushing, dredger, ball, rod and autogenous mills, gear racks in hoisting machinery, etc.

### 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 T
Coned penetration, Worked	@25°C	0.1mm	IP 50 / ASTM D217	350
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	2000
Kinematic Viscosity	@100°C	cSt	IP 71 / ASTM D445	50
Water Washout Test		%	ASTM D1264	5
Four Ball Test Welding Load		N		5400
Corrosion Properties : SKF Emcor distilled water				Pass
Corrosion Properties : SKF Emcor WWO distillate water				Pass
Temperature Range (temporary)		°C		-10/+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 T 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.