



Previous Name: Shell Malleus Grease ET 2

Shell Gadus S5 U130D 2

- Heavy Duty Protection
- High Temperature
- Clay

Advanced High Temperature grease with solids

Shell Gadus S5 U130D grease is an extreme-pressure grease, blended for industrial applications operating at temperatures up to 600°C.

It is fine dispersion of small particle size graphite incorporated in a synthetic fluid with an ashless, inorganic (non-soap), non-abrasive thickening agent.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

■ Grease Performance

High temperature grease performance is severely limited by the nature of the base fluid and thickener which may degrade at high temperatures, destroy the grease structure and form harmful deposits.

At elevated temperatures the liquid phase of Shell Gadus S5 U130D grease evaporates leaving behind a non-abrasive amorphous graphite lubricant.

Graphite is a lamellar solid giving good lubricating performance and low coefficients of friction in severe environments.

Shell Gadus S5 U130D grease also gives good service in lower temperature applications.

Main Applications



- Kiln car bearings
- Furnace & Coke oven door gears
- Drying tunnel mechanisms

Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

Typical Physical Characteristics

Properties			Method	Shell Gadus S5 U130D 2
NLGI Consistency				2
Colour				Black
Soap Type				Inorganic
Base Oil (type)				Synthetic
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	130
Kinematic Viscosity	@100°C	cSt	IP 71 / ASTM D445	17
Cone Penetration, Worked	@25°C	0.1mm	IP 50 / ASTM D217	265-295
Dropping Point		°C	IP 396	Not applicable

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 S5 U130D 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

■ Application Advice

Shell Gadus S5 U130D grease MUST be applied sparingly, preferably by hand, after fitting and before assembling the bearing housing.

Over lubrication MUST be avoided. For example, liberal applications of Shell Gadus S5 U130D grease to a stationary rolling bearing might result, at very high temperatures, in graphite wedges being formed between the rolling elements as the base fluid evaporates. This is an unsatisfactory form of lubrication and bearing performance might be inhibited on subsequent bearing rotation.

■ Advice

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