



Technical Data Sheet

- Heavy Duty Protection
- Moly Disulfide
- Lithium

Shell Gadus S2 V160D 2

High Performance Multi-purpose Grease with Solids

Shell Gadus S2 V160D 2 Grease is high performance grease for the lubrication of bearings subjected to harsh conditions.

The product is based on high viscosity index mineral oil and a lithium soap thickener and contains extreme-pressure, anti-oxidation, anti-wear, anti-corrosion and adhesion additives. It also contains solids to provide resistance to shock loading.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Good oxidation and mechanical stability**
Resists the formation of deposits caused by oxidation at high operating temperatures and maintains consistency, reducing leakage.
- **Good corrosion resistance**
Provides protection from the elements of corrosion.
- **Good adhesion properties**
Reduces losses and grease consumption
- **For shock loaded conditions**
Resists break down, softening and subsequent leakage under shock loads.
- **Extreme pressure performance**
Rig tests confirm EP additives in Shell Gadus S2 V160D 2 Grease prolong bearing life when subjected to heavy and shock loads.

Main Applications



- Shell Gadus S2 V160D 2 Grease is recommended for the lubrication of shock loaded heavy duty bearings working in damp hostile conditions. They are well-suited for use in off-highway applications and also for the lubrication of fifth wheels.

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 S2 V160D 2
Thickener type		Lithium
Colour	Visual	Dark grey
Penetration worked @25°C	0.1mm	ASTM D217
Dropping Point	°F minimum	ASTM D2265
Molybdenum Disulphide Content	% minimum	2.85
Kinematic Viscosity @40°C	cSt	ASTM D445
Four Ball Weld Load	kgf minimum	ASTM D2596
Timken OK Value	lbs minimum	ASTM D2509
Oil Separation, wt% @25°C		ASTM D1742
Water Washout @79°C	%m	ASTM D1264
Copper Corrosion 24h @ 100°C	rating	ASTM D4048

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**

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

- **Advice**

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

- **Operating Temperature**

Operating Temperature range -15°C to 130°C