



Formerly Known As: **Shell Albida Grease HDZX**

Shell Gadus S4 V460D 2

Advanced Multipurpose Heavy Duty Grease

Shell Gadus S4 V460D Grease is high performance high temperature grease for slow moving heavily loaded pins, bushes and large bearings subject to shock loads. They are based on PAO synthetic oil and high viscosity index mineral oil and a lithium complex soap thickener. Apart from containing the latest additives to ensure excellent high temperature, anti corrosion & anti oxidation performance, they also contain solids to ensure the grease can handle shock loads. The enhancement of PAO synthetic base oil allows the grease to be pumped and perform in lubrication systems at much lower temperatures.

- Heavy Duty Protection
- Low Temperature
- Lithium Complex

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **High base oil viscosity to provide excellent load carrying performance**
Meets the recommended base oil viscosity recommended by leading OEMs
- **Excellent mechanical stability even under vibrating conditions**
Consistency retained over long periods, even in conditions of severe vibration
- **Enhanced extreme-pressure properties & resistant to shock loads**
Excellent load-carrying performance enhanced by the presence of Solids.
- **Excellent water resistance**
Ensures lasting protection even in the presence of large amounts of water
- **Effective corrosion protection**
Ensures components/bearings do not fail due to corrosion

- **High dropping point**

Resistant to high temperatures

Main Applications



- Shell Gadus S4 V460D Greases are used for the grease lubrication of heavy-duty, slow moving pins and bushes and bearings subject to shock loads found in the following industries:
 - Mining
 - Steel

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 S4 V460D 2
NLGI Consistency				2
Colour				Black
Soap Type				Lithium complex
Base Oil (Type)				Mineral/Synthetic
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	460
Kinematic Viscosity	@100°C	cSt	IP 71 / ASTM D445	32
Cone penetration, Worked	@25°C	0.1mm	IP 50 / ASTM D217	265-295
Dropping Point		°C	IP 396	250
Four Ball Weld Load		kg	ASTM D2596	800

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 S4 V460D 2 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

- **Re-greasing Intervals**

For bearings operating near their maximum recommended temperatures, re-greasing intervals should be reviewed

- **Advice**

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

