



Formerly Known As: Shell Super Duty Grease 2, Shell Alvania Grease EP Moly

Shell Gadus S1 V160D 2

- Multi-purpose Application
- Lithium

Multi-purpose Extreme Pressure Grease with Solids

Shell Gadus S1 V160D is an NLGI Grade 2 lithium 12-hydroxystearate thickened grease containing 1% molybdenum disulfide and a special polymer. It was developed in conjunction with two major manufacturers (Mack and Ford). It is specially formulated for heavy-duty, severe service in trucks and other automotive applications where extended lubrication intervals are desired, along with excellent lubrication and protective qualities.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- Excellent mechanical stability
- Excellent oxidation stability promoting long grease life
- Excellent extreme pressure, anti-rust and water resistance qualities for protection of bearing surfaces
- Film strength durability
- Non-lead

- Heavy duty severe service in trucks
- General chassis and wheel or rolling bearing re-lubrication
- Automotive applications where extended lubrication intervals are desired

Specifications, Approvals & Recommendations

- Ford ESA-M1C75-B long life requirements
- Mack MG-C long life requirements

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Main Applications



Typical Physical Characteristics

| Properties | Method | Shell Gadus S1 V160D 2 |
|---|--------|------------------------|
| NLGI Grade | | 2 |
| Appearance | | Gray, Smooth |
| Thickener | | Lithium |
| Base Oil Viscosity @40°C | cSt | ASTM D445 160 |
| Base Oil Viscosity @100°C | cSt | ASTM D445 14 |
| Base Oil Viscosity @210°F | SUS | (Calc) 78 |
| Base Oil Flash Point | °F | ASTM D92 445 |
| Base Oil Pour Point | °F | ASTM D97 5 |
| Penetration, dmm Worked, 60X | | ASTM D217 2725 |
| Dropping Point | °F | Mettler 385 |
| Oxidation Stability, psi Drop (100 hrs) | | ASTM D942 2.0 |
| Rust Prevention | | ASTM D1743 1,1,1 |
| Water Washout, wt% Loss @175°F | | ASTM D1264 0.5 |
| Timken, OK Load | lbs | ASTM D2509 50 |
| Deleterious Particles Average No of Scratches | | ASTM D1404 6 |
| Roll Stability, % Change | | ASTM D1831 9.6 |

| Properties | | | Method | Shell Gadus S1 V160D 2 |
|-----------------------------|--------|----|------------|------------------------|
| Evaporation Loss | @300°F | % | ASTM D2595 | 2.4 |
| Wheel Bearing Leakage, Loss | | gm | ASTM D1263 | 9.3 |
| Useful Temperature Range | | °F | | -5 to 275 |

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 S1 V160D 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 <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.