



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.