



Previous Names: 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

- Mack MG-C long life requirements
- Ford ESA-M1C75-B 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			ASTM D92	445
Base Oil Pour Point			ASTM D97	5
Penetration, dmm Worked, 60X			ASTM D217	2725
Dropping Point			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			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 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

### • Advice

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