



Technical Data Sheet

- Heavy Duty Multi Purpose
- Blue
- Lithium

Shell Gadus SV800ZP 2

High Performance Multipurpose Extreme Pressure Grease

Shell Gadus S2 V800ZP 2 grease are high quality multipurpose, extreme-pressure greases based on a blend of mineral oils and a lithium hydroxystearate soap thickener and contain proprietary blend of light-colored solid lubricants, extreme-pressure and other proven additives to enhance performance in a wide range of applications where high load is encountered.

Shell Gadus S2 V800ZP 2 grease is designed for heavy duty earthmoving and other industrial applications in the slow and medium speed range.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Outstanding Load Carrying Capacity**

Shell Gadus S2 V800ZP 2 grease contain special extreme-pressure additives which enable them to withstand heavy and shock loads without failure of the lubricant film.

- **Good Mechanical Stability**

This is particularly important in vibrating environments where poor mechanical stability can lead to grease softening with subsequent loss of lubrication performance and leakage.

- **Good Resistance to Water Wash-out**

Shell Gadus S2 V800ZP 2 grease have been formulated to offer resistance to water wash-out.

- **Good Corrosion Resistance Characteristics**

Shell Gadus S2 V800ZP 2 greases reliably protect bearing surfaces against corrosion, even when a high amount of water is present.

Main Applications



Shell Gadus S2 V800ZP 2 grease is designed for:

- Heavy duty bearings and general industrial lubrication and earth moving machines.
- Heavy duty plain and rolling element bearings operating under harsh conditions including shock loading in wet environments.
- Owing to the high base oil viscosity, DO NOT USE in electric motor bearings.

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 V800ZP 2	
NLGI Consistency			2	
Soap Type			Lithium	
Color		Visual	Blue	
Base Oil			Mineral	
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	800 (with polymer)
Kinematic Viscosity	@100°C	cSt	IP 71 / ASTM D445	61
Cone Penetration, Worked	@25°C	0.1mm	IP 50 / ASTM D217	265-295
Dropping Point		°C	IP 396	180
Four Ball Weld Load		Kg	ASTM D2596	620
4 Ball Wear Scar		mm	ASTM D2266	0.65

Properties		Method	Shell Gadus S2 V800ZP 2
Rust Prevention		ASTM D1743	Pass
Water Washout	%loss maximum	ASTM D1264	3
Water Spray-off	%wt. loss maximum	ASTM D4049	10

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 S2 V800ZP 2 Grease 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/>

- **Hydraulic Brake Rubber Components**

Care should be taken to ensure that the grease does NOT come into contact with hydraulic brake rubber components.

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

- **Operating Temperature**

Shell Gadus S2 V800ZP 2 is recommended for the operating temperature range -5°C to $+95^{\circ}\text{C}$. Higher temperatures can be tolerated with increased lubricating frequency.

- **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.