



Technical Data Sheet

Previous Names: Shell Alvania Grease EP(LF) 00, GL 00, Shell Retinax CS 00

Shell Gadus S2 V220 00

- Enclosed Gears & Centralized Systems
- Multi-purpose
- Lithium

High Performance Multipurpose Extreme Pressure Grease

Shell Gadus S2 V220 greases are high quality multipurpose, extreme-pressure greases based on a blend of high viscosity index mineral oils and a lithium hydroxystreate soap thickener and contain extreme-pressure and other proven additives to enhance their performance in a wide range of applications.

Shell Gadus S2 V220 greases are designed for multipurpose grease lubrication of rolling element and plain bearings as well as hinges and sliding surfaces such as those found in throughout most industrial and transport sectors.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Anti-wear and extreme pressure properties**
Efficient lubrication of low load components
- **Improved 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 V220 00 greases have been formulated to offer resistance to water wash-out.
- **Oxidation stability**
Specially selected base oil components have excellent oxidation resistance. Their consistency will not alter in storage and they withstand high operating temperatures without hardening or forming bearing deposits.

Main Applications



Shell Gadus S2 V220 00 greases are specifically designed for:

- Steel mill lubrication where a softer grease is necessary for specialised dispensing systems.
- Heavy duty plain and rolling element bearings operating under severe conditions including shock loading in wet environments.
- Gearbox applications where semi-fluid greases are required.
- Centralized chassis lubrication systems on trucks and buses.

Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

Typical physical characteristics

| Properties | | | Method | Shell Gadus S2 V220 00 |
|--------------------------|--------|-------|-------------------|------------------------|
| Nlgi Consistency | | | | 00 |
| Soap Type | | | | Lithium |
| Base Oil | | | | Mineral |
| Kinematic Viscosity | @40°C | cSt | IP 71 / ASTM D445 | 220 |
| Kinematic Viscosity | @100°C | cSt | IP 71 / ASTM D445 | 19 |
| Cone Penetration, Worked | @25°C | 0.1mm | IP 50 / ASTM D217 | 400-430 |
| Dropping Point | | °C | IP 396 | - |

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 V220 00 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 Material Safety Data Sheet, which can be obtained from <http://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

■ Re-greasing Intervals and Dispensing

Easily dispensed through standard lubrication equipment.

■ Advice

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