



Formerly Known As: Shell Alvania Grease WR

Shell Gadus S2 V220A 1.5

- *Reliable Protection*
- *Water Resistant*
- *Lithium/Calcium*

High Performance Multi-purpose Extreme Pressure Grease

Shell Gadus S2 V220A greases are high quality multi-purpose greases based on high viscosity index mineral oil and a mixed lithium/calcium soap thickener. They contain extreme-pressure, anti-wear, anti-oxidation and anti-corrosion additives to enhance their performance in a wide range of applications.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Excellent mechanical stability even under vibrating conditions.**
Consistency retained over long periods, even in conditions of severe vibration.
- **Good corrosion resistance.**
Provides protection from the elements of corrosion.
- **Extended life at moderate temperatures.**
Allows longer periods between maintenance schedules reducing down-time and grease consumption.
Demonstrated to work in the field with regreasing intervals above 30,000 kms even for demanding applications such as transmission joints.
- **Good oil separation.**
Effective lubrication and reliable performance.

Specifications, Approvals & Recommendations

- ASTM D4950 LB
For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Main Applications



- Heavy-duty plain and rolling element bearings operating in the following environments:
 - Vibrating conditions
 - Heavy load
 - High temperature
 - Shock load
 - Presence of water
- Multipurpose convenience, especially in the transport sector where product can be used for both wheelbearings and chassis lubrication of passenger cars, light trucks and heavy duty trucks. These greases are also suitable for construction equipment exposed to intense water washout.
- Gadus S2 V220A 1.5 is especially suitable for steel applications with water wash out as in hot strip mill. This grade is also recommended for centralized lubrication system for general applications in the steel sector.

Typical Physical Characteristics

| Properties | | | Method | Shell Gadus S2 V220A 1.5 |
|--------------------------|--------|-------|-------------------|--------------------------|
| NLGI Consistency | | | | 1.5 |
| Colour | | | | Brown |
| Soap Type | | | | Lithium/Calcium |
| Base Oil | | | | Mineral |
| Kinematic Viscosity | @40°C | cSt | IP 71 / ASTM D445 | 180 |
| Kinematic Viscosity | @100°C | cSt | IP 71 / ASTM D445 | 16 |
| Cone Penetration, Worked | @25°C | 0.1mm | IP 50 / ASTM D217 | 305 |
| Dropping Point | | | °C | IP 396 |
| Four Ball Weld Load | | | Kg minimum | ASTM D2596 |
| | | | | 315 |

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 V220A 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 <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

- **Operating Temperature Range**

Shell Gadus S2 V220A greases are recommended for the grease lubrication of heavy duty bearings operating up to their maximum rated speed over the temperature range -20°C to 130°C (140°C peak)

- **Advice**

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