



Previous Names: Shell Alvania Grease WR, Alvania HD, Retinax HD

# Shell Gadus S2 V220AC

## High Performance Multipurpose Extreme Pressure Grease

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

Shell Gadus S2 V220AC 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.

### 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.

### Performance Features

- ***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

### Operating Temperature Range

Shell Gadus S2 V220AC 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)

### Specifications

- Meets ASTM D4950-08 LB

### Health & Safety

Shell Gadus S2 V220AC greases are unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet

### Advice

For advice on applications not covered in this leaflet may be obtained from your Shell Representative

## Typical Physical Characteristics

	NLGI Consistency				
<b>Shell Gadus S2 V220AC</b>	0	1	1.5	2	3
<b>Colour</b>	Red	Red	Red	Red	Red
<b>Soap Type</b>	Lithium/ Calcium	Lithium/ Calcium	Lithium/ Calcium	Lithium/ Calcium	Lithium/ Calcium
<b>Base Oil (type)</b>	Mineral	Mineral	Mineral	Mineral	Mineral
<b>Kinematic Viscosity</b> @ 40°C cSt 100°C cSt (IP 71/ASTM-D445)	220 18	220 18	220 18	220 18	220 18
<b>Dropping Point °C</b> (IP 322/ASTM-D566-76)	170	170	175	175	175
<b>Cone Penetration</b> Unworked @ 25°C 0.1 mm (IP 50/ASTM-D217)	355- 385	310-340	300	265- 295	220- 250

These characteristics are typical of current production. Whilst future production will conform to Shell's specification variations in these characteristics may occur.

For more information please contact your Shell Marine Products Representative or refer to the Port Services Guide on our website: [www.shell.com/marine](http://www.shell.com/marine). Shell is not liable for application/advice errors when Product Data Sheets/Material Safety Data Sheets are obtained from non-official sources/sites other than the official website as shown above.