

# Shell Gadus S2 V220AD



- Heavy-duty protection
- Water resistant
- Lithium calcium



DESIGNED TO MEET CHALLENGES

Every part of your machine or process has been meticulously engineered, so you want to use a lubricant that has been designed to ensure that your equipment is well protected and works efficiently.

The Shell Gadus range of greases has been developed to enable equipment operators to select the grease that will deliver optimum value to their operations through

- **wear protection**
- **long grease life**
- **system efficiency.**



## Performance at a glance

|   | Protection | Grease life | System efficiency |
|---|------------|-------------|-------------------|
| Shell <b>Gadus S3 V460D</b><br>■ Heavy-duty protection<br>■ High temperature<br>■ Lithium complex | ✓✓✓✓       | ✓✓✓✓        | ✓✓✓✓              |
| Shell <b>Gadus S2 V220AD</b><br>■ Heavy-duty protection<br>■ Water resistant<br>■ Lithium calcium | ✓✓✓✓       | ✓✓✓         | ✓✓✓✓              |
| Shell <b>Gadus S1 V150D</b><br>■ Multipurpose<br>■ Lithium  | ✓✓✓        | ✓✓          | ✓✓                |

Performance level is a relative indication only.

## A WATER-RESISTANT, EXTREME-PRESSURE (EP) MULTIPURPOSE GREASE WITH SHOCK-LOAD RESISTANCE

Shell Gadus S2 V220AD is a full EP multipurpose grease that contains solids for good shock-load resistance in wet environments. It is a grease that you can rely on to provide good wear protection and bearing life for your moderate-to-high-speed bearings operating at moderate temperatures. It is widely recognised and listed by leading equipment manufacturers.

## DESIGNED TO PROTECT

Protecting equipment from wear can help to increase service life and maximise your return on investment. Shell Gadus S2 V220AD can help to provide

### ■ EP protection for bearings,

as it passes the four-ball weld load test at 315 kg (ASTM D2596 test method), which exceeds the 250-kg minimum weld load that a grease must pass to be classified as having good load-carrying properties (ISO 6743-9), and it contains solids for heavy-duty performance

### ■ good corrosion protection,

as it achieves a rating of 3 in synthetic-seawater bearing-corrosion tests (IP 220/ASTM D6138) in which a rating of 0 represents no visible corrosion and a rating of 5 indicates more than 10% corrosion.

## DESIGNED FOR LONG GREASE LIFE

The longer your grease lasts, the longer your bearings last. Shell Gadus S2 V220AD is designed to help you operate your equipment for longer. It offers

- **over 100 hours of bearing life during moderate temperature (120°C) testing** in the FAG FE9 test (DIN 51821-2).

## DESIGNED FOR SYSTEM EFFICIENCY

By retaining its mechanical stability, a grease can go on working as intended in your equipment, so the machine continues performing at its design specifications. Shell Gadus S2 V220AD

- **has good mechanical stability in the presence of water,** as it has less than a 70-dmm change in consistency after 100,000 work strokes at 25°C with 10% water (ASTM D217 test method).

## PERFORMANCE THAT YOU CAN RELY ON

The way a grease is made has a huge impact on its performance. All Shell Gadus S2 and higher tier greases meet higher performance standards than Shell Gadus S1 greases and are manufactured in a highly controlled and systematic way, from precisely specifying the ingredients to detailing how it is packaged, shipped and delivered. This quality process ensures that every batch you receive, no matter where in the world it is made, gives you the same high performance levels.

## APPROVALS, LISTINGS AND SPECIFICATIONS

Shell Gadus S2 V220AD meets the requirements of a wide range of industry bodies and equipment manufacturers. It is available in NLGI grades 1 and 2.

| Approvals             | Listings  |
|-----------------------|---|
| Xiamen XGMA Machinery | BEML<br>Bucyrus International<br>Buehler<br>Danieli<br>Stork Food and Dairy Systems |

## REAL-WORLD VALUE DELIVERY

Many customers around the world are benefiting from switching to Shell Gadus S2 V220AD. For instance, customers are

- increasing bearing life, thanks to the grease's shock-load protection
- protecting equipment against water and particle contamination
- reducing grease consumption and lowering maintenance costs, as the grease stays in place longer.

## APPLICATIONS



EP – suitable for a wide range of general-purpose lubrication applications ranging from bearings to cables, chains and other linkages



Water and shock-load resistant – suitable for slow-moving bearings such as those found in mining, construction and agricultural equipment, including dump trucks, excavators, shovels, draglines and bulldozers, and for suspension pins and bushings



Suitable for sliding surface applications such as fifth wheels



## FULL PRODUCT AND SERVICE PORTFOLIO

Whatever your needs or application, we can provide a full range of oils and greases, including synthetic, high-performance products and additional services.

For more information, please contact

[shell.com/lubricants](http://shell.com/lubricants)

