



# Shell Gadus S5 V150XK 1

- Improved Efficiency
- Ultra Low Temperatures
- Lithium Calcium

## Premium Low Temperature Multipurpose EP Grease

Multi-purpose grease formulated with extreme pressure and anti-wear performance additives for use in mining and industrial equipment applications in extreme cold ambient conditions.

It has excellent mobility and designed for use in central lubrication systems with small diameter supply lines. Shell Gadus S5 V150XK 1 is part of Shell's comprehensive range of multi-purpose mining and industrial greases, which offers component protection and excellent mobility. This advanced, fully synthetic grease offers excellent mobility even in Arctic winter conditions, for reliable delivery through central lubrication systems. Shell Gadus S5 V150XKD 1 is formulated to excellent all- round performance, balancing mobility, load-carrying capability and long effective life in hostile operating conditions.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

- **Specifically designed for cool and cold climates, including Arctic winters**

Formulated with fully-synthetic base fluid to retain mobility at colder temperatures (down to -40°C or -40°F in central lubrication systems). There is a broad overlap in operating temperature range between this grease and others in the range, allowing for flexible seasonal transitions.

- **Enhanced load-carrying and wear protection properties**

The product is fortified with extreme pressure and anti-wear additives for mining and industrial applications. The product features excellent low-temperature torque and lubricity for reliable protection across the entire ambient operational temperature range.

- **Excellent mechanical stability even in challenging operating conditions**

Consistency retained during extended operating periods, even when exposed to mechanical shear and vibration.

- **Effective in wet conditions**

Proven water resistance and corrosion protection performance in the presence of large amounts of water.

- **Oxidation stability for long life**

The synthetic base fluid components have remarkable oxidation resistance. The grease consistency will not alter in storage and will withstand high operating temperatures without hardening or forming deposits on components.

#### Main Applications



Shell Gadus S5 V150XK 1 is primarily intended for the grease lubrication of heavy-duty, moderate to high-speed components such as anti-friction bearings. It is designed for use in stationary or mobile equipment, with or without central lubrication systems, in industrial and mining applications.

#### 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 S5 V150XK 1
NLGI Consistency		1
Colour		Yellow
Thickener		Lithium - Calcium
Base Oil (type)		Synthetic
Kinematic Viscosity	@40°C mm <sup>2</sup> /s	IP 71 / ASTM D445 150

Properties			Method	Shell Gadus S5 V150XK 1
Kinematic Viscosity	@100°C	mm <sup>2</sup> /s	IP 71 / ASTM D445	19
Four Ball Weld Load		N	ASTM D2596	4 000
Pumpability Long Distance				Good
Low Temperature Flow Pressure	@-45°C	mbar maximum	DIN 51805	1 400

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 S5 V150XK 1 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 temperatures

-40°C to +25°C in open applications, and up to 130°C in closed bearings

### • Re-greasing Intervals

For bearings operating near their maximum recommended temperatures, re-greasing intervals should be reviewed

### • Note

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

### • Advice

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