



Formerly Known As: Shell Alvania Grease EP Artic Moly

Shell Gadus S2 V20XKD 0

- Extreme Low Temperature
- Centralised Systems
- Lithium

High Performance Low Temperature Extreme Pressure Grease with Solids

Shell Gadus S2 V20XKD Grease is a premium quality, non-lead multi-purpose product based on lithium soap. It was originally conceived and patented by Shell and has continuously been improved over the years. Its multi-purpose nature allows for use in both heavy duty automotive and industrial applications, thus reducing the need for specialty greases in specific applications. Shell Gadus S2 V20XKD Grease is offered in NLGI grade 0 and contains 1% moly.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Excellent load carrying ability**
Shell Gadus S2 V20XKD contains an extreme pressure additive which imparts excellent load carrying properties - translating into longer equipment life.
- **Anti-rust capability**
The anti-rust additives promote excellent rust and corrosion protection in wet conditions.
- **Oxidation stability**
Longer lubricant life due to the oxidation inhibitors in Shell Gadus S2 V20XKD - which means longer lubrication intervals and less grease usage.
- **Resistance to water washout**
Providing "stay-in" performance and extended relubrication intervals.
- **Wide application temperature range**
There is a grade available for applications from -50°C to 80°C.

Main Applications



Shell Gadus S2 V20XKD is specially designed for low temperature central system use down to -50°C.

Specifications, Approvals & Recommendations

- Approved by CFIA (Canadian Food Inspection Agency) for industrial food plant use. Avoid food contamination during application and storage.

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

Typical Physical Characteristics

Properties	Method	Shell Gadus S2 V20XKD 0
NLGI Grade		0
Colour		Grey
Thickener		Lithium
Dropping Point	°C	IP 396 190
Mineral Oil Viscosity	@40°C cSt	ASTM D445 20
Worked Penetration 60 strokes	@25°C	ASTM D217 370
Worked Penetration 105 strokes	@25°C	ASTM D217 400
4 Ball Wear Scar	mm	ASTM D 2266 0.6
4 Ball, Load Wear Index	minimum	ASTM D 2596 30
Timken OK Value	lbs minimum	ASTM D2509 30

Properties			Method	Shell Gadus S2 V20XKD 0
Oxidation Stability 100h	@99°C	kPa maximum	ASTM D 942	35
Oil Separation 18h	@40°C	% m maximum	IP 121	6
Copper Corrosion 24h	@100°C	maximum	ASTM D 4048	1b
Rust Prevention Test			ASTM D 1743	Pass
Mobility	@-40°C	g/min	USS DM 43	21

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 V20XKD 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

• Estimated Operating Range

-50°C to 80°C

• Minimum Dispensing Temperature

-45°C

• Advice

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