Shell **Gadus** *S3 U150AXD 1*

Technical Data Sheet

- Extreme Heavy Duty Protection
- Reliable Lubrication in Cold Weather
- Calcium Sulfonate Complex

Multi-purpose grease with 5% MoS2 for mining and HD equipment applications

Shell Gadus S3 U150AXD 1 grease is part of Shell's comprehensive range of multi-purpose mining and construction equipment greases, which offer protection from sustained heavy duty operations and shock loads in all climates and seasons. This grease offers excellent mobility even in colder winter conditions, for reliable delivery through central lubrication systems.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Specifically designed for multi-season, including cold weather use**

  Formulated with synthetic technology to ensure mobility at colder temperatures (down to -25^{0}C or -13^{0}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 as required by ambient conditions.

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

  Contains 5% moly and other additives to handle shock loads and sustained heavy loads.

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

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

- **Effective in wet conditions**

  Ensures lasting performance even in the presence of large amounts of water, and provides excellent corrosion resistance.

Main Applications

Shell Gadus S3 U150AXD 1 is primarily intended for the grease lubrication of heavy-duty, slow-moving components such as pins and bushes, and sliding surfaces. It is designed for use in large mobile equipment in the mining industry and sectors such as quarrying and heavy construction. Solid additives facilitate the sliding motion and protect surfaces of plain bearings, pins and bushings.

Specifications, Approvals & Recommendations

- Bucyrus International SD 4711

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

Typical Physical Characteristics

Properties			Method	Shell Gadus S3 U150AXD 1
NLGI Consistency				1
Colour				Grey
Thickener type				CaS Complex
Base oil type				Semi-synthetic
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	150
Cone Penetration Worked	@25°C	0.1 mm	IP 50 / ASTM D217	310 - 340
4 Ball EP test		kg	IP 239	620
Dropping Point		°C minimum	IP 132	260
Water washout	@79°C	% maximum	ASTM D1264	10
4 Ball Wear Scar		mm maximum	ASTM D2266	0.6

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 S3 U150AXD 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 https://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

- Recommended operating temperature range -25°C to +150°C
- **Advice**

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