Technical Data Sheet

Shell **Gadus** *S2 V1000AD 1.5*

High Performance Multipurpose Heavy Duty Grease with Solids

Shell Gadus S2 V1000AD 1.5 is a high performance grease for the lubrication of bearings subjected to the most arduous conditions. It is based on heavy duty part synthetic base oils and a mixed lithium/calcium soap thickener. It contains extreme-pressure, anti-wear, anti-corrosion and adhesion additives. The addition of molybdenum disulphide provides additional resistance to shock loading.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Protects equipment under the heaviest loads**
  Contains molybdenum disulphide and specially selected extreme pressure additives to provide lubrication under severe operating conditions such as shock loading, severe vibration and boundary lubrication conditions.
- **Longer grease life**
  Excellent mechanical stability resisting breakdown and softening. Its efficient load carrying ability means that Shell Gadus S2 V1000AD 1.5 performs longer than conventional greases, allowing extended intervals between regreasing.
- **Excellent water resistance**
  Resists water washout ensuring lasting protection against corrosion and ingress of contamination.
- **Superior adhesion**
  Forms a tenacious film resisting leakage and flingoff to protect under the most arduous conditions.

Main Applications



Shell Gadus S2 V1000AD 1.5 is recommended for the lubrication of severe duty applications even in damp and hostile conditions including:

- Slow moving journal bearings including Sugar Mill bearings
- Slow moving rolling element bearings including Cement Roller Press bearings
- Turntables.
- Heavy earth-moving pins and bushes.
- Particularly suited where flingoff, water and vibration are problems and heavy shock loads are experienced. This grease is not recommended for high speed bearings.

Specifications, Approvals & Recommendations

- NSF H2

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

Typical Physical Characteristics

Properties			Method	Shell Gadus S2 V1000AD 1.5
NLGI Consistency				1.5
Colour				Black
Soap Type				Lithium/Calcium
Base Oil (Type)				Semi-Synthetic
Kinematic Viscosity	@40°C	mm^2/s	ASTM D445	1 000
Kinematic Viscosity	@100°C	mm^2/s	ASTM D445	60
Cone Penetration, Worked	@25°C	0.1mm	IP 50 / ASTM D217	290-320

Properties		Method	Shell Gadus S2 V1000AD 1.5
Dropping Point	°C	IP 396	184
Water Washout	%m	ASTM D1264	<3
4 Ball Weld Load	kg	ASTM D2596	500
Timken OK Value N		ASTM D2509	34

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 V1000AD 1.5 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 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

- **Operating Temperature Range**

  0°C to +130°C.

- **Advice**

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