

Shell Alvania Grease HDX 2

High Performance Heavy Duty Grease Containing Solid Lubricants

THICKENER	NLGI	TEMP RANGE	BASE OIL VISCOSITY		EP	WATER RESISTANCE	SOLID LUBRICANT
LITHIUM/ CALCIUM	2	-10°C to +120°C	40°C 160 cSt	100°C 15.5 cSt	✓✓✓	☆☆	MOS ₂

Shell Alvania Grease HDX 2 is a very high performance grease for the lubrication of industrial bearings subjected to the most arduous conditions.

It is based on high viscosity index mineral oil and a mixed lithium/calcium soap thickener and contains extreme-pressure, anti-oxidation, anti-wear, anti-corrosion and adhesion additives. It also contains molybdenum disulphide to provide resistance to shock loading.

Applications

Shell Alvania Grease HDX 2 is recommended for the lubrication of shock loaded heavy duty bearings working in damp hostile conditions.

Operating Temperature Range

-10°C to +120°C (140°C peak)

Performance Features

- **Good oxidation and mechanical stability**
Resists the formation of deposits caused by oxidation at high operating temperatures and maintains consistency, reducing leakage.
- **Good corrosion resistance**
Provides protection from the elements of corrosion.
- **For shock loaded conditions**
Resists breakdown, softening and subsequent leakage under shock loads.
- **Good adhesion properties**
Reduces losses and grease consumption
- **Extreme pressure performance**
Rig tests confirm EP additives in Shell Alvania HDX 2 prolong bearing life when subjected to heavy and shock loads.

Health & Safety

Shell Alvania Grease HDX 2 is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

Advice

Advice on applications not shown on this leaflet may be obtained from your Shell Representative.

Typical Physical Characteristics

The physical characteristics shown overleaf are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Shell Alvania Grease	HDX 2
NLGI Consistency	2
Colour	Black
Soap Type	Lithium/calcium
Base Oil (type) Kinematic Viscosity @ 40°C cSt 100°C cSt (IP 71/ASTM-D445)	Mineral 160 15.5
Cone Penetration Worked @ 25°C 0.1 mm (IP 50/ASTM-D217)	265-295
Dropping Point °C (IP 132/ASTM-D566-76)	188
4 Ball Weld Load Kg IP 239	400