

Shell Stamina Grease HDS

Special Purpose High Temperature Synthetic Heavy Duty Multipurpose Polyurea Grease

THICKENER	NLGI	TEMP RANGE	BASE OIL VISCOSITY	EP	WATER RESISTANCE
DIUREA	1.5	-40 °C to +180 °C	40 °C 460 mm ² /s	✓✓	☆☆☆

Shell Stamina Grease HDS is a high performance, high temperature, long life grease for heavy duty industrial applications.

It uses fully synthetic base stocks and the latest technology diurea thickener. It contains the latest additives to offer excellent high temperature oxidation performance and other additives to enhance its anti-oxidation, anti-wear and anti-corrosion properties.

Shell Stamina Grease HDS is especially suitable for sealed & semi-sealed applications involving slow moving, heavy-duty bearings operating at high temperature and under severe load.

Applications

Shell Stamina Grease HDS can be used for the grease lubrication of heavy-duty, slow moving bearings (both sealed & semi sealed) used in machinery found in the following industries:

- Steel
- Cement
- Paper
- Wind Power
- Chemical Industry
- Mining

Performance Features

- **High base oil viscosity to meet leading OEM requirements for slow moving large bearings**

Based upon the latest diurea grease technology proven in Steel, Paper, Wind Mills & other industries in Japan and around the world.

- **Excellent resistance to high temperatures & "heat soak"**
Synthetic base stocks combined with the inherent oxidation resistance of the diurea thickeners combine to give class leading performance in this area.
- **Enhanced extreme-pressure properties**
Excellent load-carrying performance
- **Excellent water resistance**
Ensures lasting protection even in the presence of large amounts of water
- **High dropping point**
Resistant to high temperatures

- **Effective corrosion protection**
Ensures components/bearings do not fail due to corrosion
- **Free from all heavy metal (Lead & Barium) & Nitrite free**
For safe handling

Typical Physical Characteristics

Shell Stamina Grease	HDS
NLGI Consistency	1.5
Colour	Light Brown
Soap Type	Diurea
Base Oil (type)	Fully synthetic
Kinematic Viscosity @ 40 °C cSt (IP 71/ASTM-D445)	460
Cone Penetration Worked @ 25 °C 0.1 mm (IP 50/ASTM-D217)	295
Dropping Point °C (IP 132)	250
Pumpability Long distance	Good

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

Re-greasing Intervals

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

Health & Safety

Shell Stamina Grease HDS 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 covered in this leaflet may be obtained from your Shell Representative.