

Shell Nerita Grease HV

Synthetic high-speed bearing grease



THICKENER	NLGI	TEMP RANGE	BASE OIL VISCOSITY		EP	WATER RESISTANCE
LITHIUM	2½	-30°C to +130°C	40°C 40.0 cSt	100°C 7.0 cSt	✓	☆

Shell Nerita Grease HV is a very high performance grease specially designed for the lubrication of heavily loaded, high-speed bearings.

It is based on a blend of Shell XHVI synthetic base oil, a lithium soap thickener and carefully selected additives.

Shell Nerita Grease HV is recommended for use where conventional greases are inadequate in anti-wear and extreme-pressure properties or in their oxidation resistance. In bearing applications considerably extended regreasing intervals can be achieved.

Applications

Shell Nerita Grease HV is specially designed for the lubrication of heavily loaded high-speed grease bearings and recommended, particularly, for applications where conventional greases are inadequate in their anti-wear, extreme-pressure or oxidation resistance performance.

Lead-free Shell Nerita Grease HV is the ideal choice for life time filled high-speed bearings.

Performance Features

- **Good oxidation and mechanical stability**
Resists the formation of deposits caused by oxidation at high operating temperatures and maintains consistency, reducing leakage
- **Excellent wear protection**
- **Wide operating temperature**
- **Long operational life**
- **Heavy load capability**
- **Lead and nitrite free**
For safe handling
- **Good oil separation**
Effective and reliable performance
- **Very low starting torque in cold conditions**

Operating Temperature Range

Suitable over a wide temperature range from -30°C to a peak of +130°C.

Re-greasing intervals

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

Approvals

The formulation of Shell Nerita Grease HV is approved by:

- SNR (Society Nouvelle des Roulements) for wheel hubs
- ABB (ASEA Brown Boveri) for electric motor bearings
- Netherlands Railways for their motorcar electric motor bearings

Health & Safety

Shell Nerita Grease HV 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.

Typical Physical Characteristics

Shell Nerita Grease	HV
NLGI Consistency	2½
Colour	Light Brown
Soap Type	Lithium
Base Oil (type)	Synthetic
Kinematic Viscosity @ 40°C cSt 100°C cSt (IP 71/ASTM-D445)	41.9 7.5
Dropping Point °C (IP 132/ASTM-D566-76)	190
Cone Penetration Worked @ 25°C 0.1mm (IP 50/ASTM-D217)	271

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