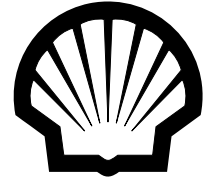


Shell Retinax Greases HD

High performance automotive greases



THICKENER	NLGI	TEMP RANGE	BASE OIL VISCOSITY		EP	WATER RESISTANCE
LITHIUM/ CALCIUM	2 & 3	-15°C to +130°C	40°C 200 cSt	100°C 18.0 cSt	✓	☆☆☆

Shell Retinax Greases HD are very high performance automotive greases for commercial road transport and off-highway applications where guaranteed protection is required.

Shell Retinax Greases HD are based on high viscosity index mineral oil and a mixed lithium/calcium soap thickener and contain 'lead free' extreme pressure additives. They are also fortified with anti-oxidation, anti-wear, anti-corrosion and adhesion agents to ensure excellent performance.

Applications

- Automotive wheel bearings for commercial road transport and off-highway applications where operating conditions are severe.

Shell Retinax Grease HD2 is intended for use under normal temperature conditions.

Shell Retinax Grease HD3 is recommended for use where high ambient temperatures (+35°C) are common and the operating regime very severe.

Performance Features

- **Outstanding mechanical stability**
Maintains its excellent lubrication properties even when subjected to severe vibration. Prevents grease breakdown and leakage
- **Excellent anti-wear & service life**
Long bearing life
- **Good adhesive properties**
In conditions of heavy load and shock.
- **Excellent water wash-out resistance**
Prevents corrosion. An essential quality for vehicles working in wet environments
- **Good oil separation**
Provides effective lubrication over long periods
- **Safe handling**
Product does not require labelling

Advice

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

Dispensing

Shell Retinax Grease HD2 is suitable for dispensing through standard lubrication equipment.

At high ambient temperatures Shell Retinax Grease HD3 may also be dispensed in this manner.

Health & Safety

Shell Retinax Greases HD are 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.

Typical Physical Characteristics

Shell Retinax Grease	HD2	HD3
NLGI Consistency	2	3
Soap Type	Lithium/calcium	Lithium/calcium
Base Oil	Mineral	Mineral
Kinematic Viscosity @ 40°C cSt 100°C cSt (IP 71/ASTM-D445)	170 15.6	200 18.0
Dropping Point °C (IP 132)	184	184

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