

Shell Retinax Grease HDX 1 and 2

High Performance Extreme Pressure Heavy Duty Greases with Enhanced Load Carrying Capacity for Fifth Wheel Application

THICKENER	NLGI	TEMP RANGE	BASE OIL VISCOSITY		EP	WATER RESISTANCE	SOLID LUBRICANT
LITHIUM CALCIUM	1 & 2	-10 °C to +120 °C	40 °C 200 cSt	100 °C 18.0 cSt	✓	☆☆☆	MoS ₂

Shell Retinax Greases HDX are a very high performance greases for automotive applications subjected to the most arduous conditions. Shell Retinax Greases HDX are 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. They also contain molybdenum disulphide to provide resistance to shock loading.

Applications

Shell Retinax Greases HDX are recommended for the lubrication of shock loaded heavy duty bearings working in damp hostile conditions.

Particularly suited for use in off-highway applications and for the lubrication of 'fifth wheels'.

Performance Features

- **Outstanding mechanical stability**
Maintains its excellent lubrication properties even when subjected to severe vibration. Prevents grease breakdown and leakage.
- **Effective extreme-pressure properties**
Efficient lubrication of heavily loaded components
- **Good adhesive properties**
In heavy load and shock conditions
- **Excellent anti-wear performance under shock load conditions**
Ensures protection of key components at all times

Approvals

Shell Retinax Greases HDX contain 3% MoS₂, which meets the requirements of Caterpillar and Volvo.

Operating Temperature Range

From -10 °C to 120 °C (140 °C peak)

Dispensing

Shell Retinax Greases HDX are suitable for dispensing through standard lubrication equipment

Health & Safety

Shell Retinax Greases HDX 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.

Advice

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

Typical Physical Characteristics

Shell Retinax Grease	HDX 1	HDX 2
NLGI Consistency	1	2
Colour	Dark grey	Dark grey
Soap Type	Lithium/calcium	Lithium/calcium
Base Oil (type)	Mineral	Mineral
Kinematic Viscosity @ 40 °C cSt 100 °C cSt (IP 71/ASTM-D445)	200 18.0	200 18.0
Cone Penetration Worked @ 25 °C 0.1 mm (IP 50/ASTM-D217)	310-340	265-295
Dropping Point °C (IP 132/ASTM-D566-76)	175	180

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