



Shell Retinax HD

Automotive long life multi purpose grease

BASE OIL VISCOSITY		NLGI	TEMP RANGE	WATER RESISTANCE	RELATIVE SERVICE LIFE	EP	SOLID LUBRICANTS
40 °C	100°C	2 & 3	-20 °C	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
170 cSt	16 cSt		to				

Customer Benefits

Cost Savings via

- Lower consumption versus Lithium greases, due to superior resistance to washout & vibration reducing bearing leakage and loss from chassis points
- Longer service life versus lithium greases due to the superior thickener & additive technology used in these products, that results from Shell's "in house" formulation & manufacturing expertise
- Lower maintenance costs due to the lower wear & corrosion of moving parts that results when high quality grease with excellent adhesiveness is used

Peace of Mind via

- No unexpected Product Health & Safety problems, as Shell always formulates with current & future HSE legislation in mind, thus Retinax HD is free from lead & does not require labelling (vs EC requirements)
- Proven product, demonstrated to work in the field with regreasing intervals above 30,000 kms even for demanding applications such as transmission joints.
- Shell brand which guarantees professional standards & guaranteed back up whatever the lubrication problem
- The confidence that can be only be obtained by using the world's best known brand of Automotive grease, Shell Retinax

Convenience via

- Multi purpose convenience that reduces number of greases, as product can be used for BOTH wheel bearings & chassis lubrication
- One supplier for all requirements, reduces time wasted on calls to numerous suppliers, simplifies way of working.
- Availability wherever required, Nationally & Internationally (Shell now markets lubricants in more than 100 countries).

Key Applications

Passenger car & Light truck wheel bearings & chassis, but especially formulated for severe applications in Heavy trucks. NLGI 3 grades are available for use in high ambient temperatures & arduous operating conditions. It is also suitable for construction equipment exposed to intense water washout.

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Operating Temperature Range

Shell Retinax HD is recommended for use over the temperature range -20°C to 130°C

Health & Safety

Shell Retinax HD 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 Material Safety Data Sheet

Advice

For advice on applications not covered in this leaflet may be obtained from your Shell Representative

Typical Physical Characteristics

Shell Retinax	HD	HD
NLGI Consistency	2	3
Colour	Blue	Blue
Soap Type	Lithium/ Calcium	Lithium/ Calcium
Base Oil (type)	Mineral	Mineral
Kinematic Viscosity @ 40°C cSt 100°C cSt (IP 71/ASTM-D445)	170 16	170 16
Dropping Point °C (IP 322/ASTM-D566-76)	180	180
Cone Penetration Unworked @ 25°C 0.1 mm (IP 50/ASTM-D217)	270	240

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

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