



# Shell Helix *HX7 Diesel 10W-40*

*Synthetic technology motor oil - Helps to keep engines clean and running efficiently*

Shell Helix HX7 Diesel helps to keep diesel engines clean and running efficiently by helping to prevent the formation of sludge and engine deposits. It is suitable for a wide variety of modern light-duty vehicles driven in demanding traffic conditions.

## Proud Drivers Choose Shell Helix

### Performance, Features & Benefits

- **Synthetic Technology**

Uses both synthetic and mineral base stocks to achieve higher performance levels than can be formulated from mineral oils alone.

- **Shell's unique active cleansing technology**

Actively locks away harmful performance-robbing deposits.

- **Active clean-up**

Helps to remove sludge left behind by inferior oils <sup>2</sup>

- **Excellent wear protection <sup>3</sup>**

Helps to extend engine life by protecting against wear, even in daily traffic conditions.

- **Excellent resistance to degradation**

Helps to maintain protection throughout the oil-drain interval.

- **Low-evaporation formulation <sup>1</sup>**

Low oil consumption for less frequent top-up.

- **Compatible with modern fuels**

Suitable for use with biodiesel.

<sup>1</sup> Based on NOACK volatility test and equipment manufacturers' requirements

<sup>2</sup> Based on a severe sludge clean-up test

<sup>3</sup> Based on Sequence IVA engine test carried out at an independent laboratory

### Main Applications

- Shell Helix HX7 Diesel helps to prolong the engine life of modern vehicles in demanding daily traffic conditions by protecting against wear. Shell Helix HX7 can be used for passenger car diesel engines (without particulate filters) and it is also suitable for use with biodiesel.

### Specifications, Approvals & Recommendations

- API CF
- ACEA A3/B4
- VW 505.00
- Renault RN 0710
- Meets requirements Mercedes-Benz MB 229.3

To find the right Shell Helix product for your vehicles and equipment, please consult Shell LubeMatch at: <http://lubematch.shell.com>

Advice on applications not covered here may be obtained from your Shell or Shell Lubricants distributor representatives or technical helpdesks.

### Typical Physical Characteristics

Properties			Method	Shell Helix HX7 Diesel 10W-40
Kinematic Viscosity	@100°C	cSt	ASTM D445	14.37
Kinematic Viscosity	@40°C	cSt	ASTM D445	96.31
Viscosity Index			ASTM D2270	154
MRV	@-30°C	cP	ASTM D4684	21 100
Density	@15°C	kg/m <sup>3</sup>	ASTM D4052	860
Flash Point		°C	ASTM D92	246

Properties	Method	Shell Helix HX7 Diesel 10W-40
Pour Point °C	ASTM D97	-45

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

## Health, Safety & Environment

### • Health and Safety

Shell Helix HX7 Diesel 10W-40 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <https://www.epc.shell.com/>

### • Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.