



# Shell Helix *HX7 ECT 5W-40*

*Synthetic technology motor oil - Protection for vehicle emission systems*

Shell Helix HX7 ECT features emissions-compatible technology that helps to keep diesel particulate filters clean to help maintain engine performance. It helps to minimise the formation of sludge and deposits.

## 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 emissions-compatible technology (ECT)

Protects emission system by helping to keep diesel particulate filters clean.

#### • Shell's superior active cleansing technology

Helps to protect high-performance engines from power and performance-robbing deposits.

#### • Excellent sludge protection

Helps to prevent engine sludge build-up.

#### • Developed with special antioxidants

Helps to provide excellent oxidation protection throughout the oil-drain interval.

#### • Low-temperature performance

Faster oil flow for quicker engine warm-up <sup>1</sup>

#### • Resistance to mechanical stress

Maintains viscosity and stays in grade throughout the oil-change interval.

<sup>1</sup> Compared with higher viscosity oils

### Main Applications

- Shell Helix HX7 ECT's synthetic technology formulation uses Shell's emissions-compatible technology to help gasoline engine exhaust catalysts and keep diesel particulate filters clean and protects it from ash build-up that can block the exhaust system and lead to reduced engine performance.
- Shell Helix HX7 ECT can be used for modern gasoline engines, diesel engines with particulate filters and gas engines.

### Specifications, Approvals & Recommendations

- API SN
- ACEA C3
- MB-Approval 229.31

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 ECT 5W-40 |
|---------------------|--------|-------------------|------------|---------------------------|
| Kinematic Viscosity | @100°C | cSt               | ASTM D445  | 12.78                     |
| Kinematic Viscosity | @40°C  | cSt               | ASTM D445  | 72.18                     |
| Viscosity Index     |        |                   | ASTM D2270 | 179                       |
| MRV                 | @-35°C | cP                | ASTM D4684 | 14 300                    |
| Density             | @15°C  | kg/m <sup>3</sup> | ASTM D4052 | 835.7                     |
| Flash Point         |        | °C                | ASTM D92   | 242                       |
| 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 ECT 5W-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.