



WITH
Shell
PUREPLUS
TECHNOLOGY

Shell Helix *Ultra Diesel* 5W-40

Fully synthetic motor oil - Shell's most advanced formulation for high performance engines

Shell Helix Ultra Diesel uses unique active cleansing technology to help high-performance, light-duty diesel engines operate at maximum efficiency by helping to protect them from power-robbing deposits and wear.

Proud Drivers Choose Shell Helix

Performance, Features & Benefits

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

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

- **Superior wear and corrosion protection ¹**

Helps to extend engine life by protecting surfaces from wear and by helping to neutralise corrosive combustion acids.

- **Active clean-up**

Helps to remove sludge left behind by inferior oils ³

- **Superior resistance to oil degradation ²**

Helps to maintain protection throughout the oil-drain interval.

- **Low-evaporation formulation ⁴**

Low oil consumption for less frequent top-up.

- **Exceptional low-temperature performance**

Faster oil flow for quicker engine warm-up ⁵

- **Approved by car manufacturers**

Approved for use by numerous makers of high-performance vehicles.

- **Long life**

Exceptional protection and cleansing, even at the longest manufacturer-recommended oil-drain intervals.

- **Compatible with modern fuels**

Suitable for use with biodiesel.

1 Compared with API SN specification and based on Sequence IVA and Sequence VIII engine tests carried out at an independent laboratory

2 Compared with API SN specification and based on Sequence IIIG oxidation and deposit tests carried out at an independent laboratory

3 Based on a severe sludge clean-up test

4 Based on NOACK volatility test and equipment manufacturers' requirements

5 Compared with higher-viscosity oils

Main Applications

- Shell Helix Ultra Diesel's fully synthetic formulation offers Shell's maximum protection in very hot and extremely cold climates, and in severe driving conditions.
- Shell Helix Ultra Diesel can be used for modern passenger car diesel engines (without particulate filters).
- Suitable for use with bio diesel.

Specifications, Approvals & Recommendations

- ACEA A3/B3, A3/B4
- MB-Approval 229.5, 226.5
- VW 505.00
- Renault RN 0710
- Meets the requirements of Fiat 9.55535-Z2

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 help desks.

Typical Physical Characteristics

Properties			Method	Shell Helix Ultra Diesel 5W-40
Kinematic Viscosity	@100°C	cSt	ASTM D445	12.76
Kinematic Viscosity	@40°C	cSt	ASTM D445	75.66
Viscosity Index			ASTM D2270	170
Dynamic Viscosity	@-30°C	cP	ASTM D5293	6 400
MRV	@-35°C	cP	ASTM D4684	17 700
Density	@15°C	kg/m ³	ASTM D4052	843
Flash Point		°C	ASTM D92	235
Pour Point		°C	ASTM D97	-36

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

This product 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 Material Safety Data Sheet, which can be obtained from www.epc.shell.com

• Protect the Environment

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