Shell **Helix** *Ultra ECT C2/C3 0W-30*

WITH Shell PUREPLUS TECHNOLOGY

Fully synthetic motor oil - Shell's ultimate protection for vehicle emission systems

Shell Helix Ultra ECT C2/C3 features its most advanced emissions-compatible technology that helps to keep diesel particulate filters clean to help maintain engine performance. It helps to reduce engine friction to provide enhanced fuel economy.

Proud Drivers Choose Shell Helix

Performance, Features & Benefits

- **Shell's most advanced emissions-compatible technology for low-SAPS oil**
  Protects emission system by helping to keep diesel particulate filters clean.
- **Shell's ultimate active cleansing technology**
  Helps to protect high-performance engines from power- and performance-robbing deposits.
- **Unsurpassed sludge protection**
  No other motor oil can keep your engine closer to factory clean [1]
- **Superior wear protection**
  Up to 4x better than API SN specification [2.] Up to 50% better than ACEA C2/C3 requires [3.]
- **Developed with special antioxidants**
  Helps to provide excellent oxidation protection throughout the oil-drain interval.
- **Low viscosity and low friction**
  Up to 2.6% greater fuel economy [4.]
- **Superior piston cleanliness**
  Up to 45% cleaner than ACEA C2/C3 requires [5.] Exceeds the requirements of API SN specification [6.]
- **Superior corrosion protection**
  Up to 3x better corrosion protection than required by API SN [7.]
- **Superior intake valve cleanliness**
  Exceeds the requirements for VW based on VW FSI test [8.]
- **Exceptional low-temperature performance**
  Faster oil flow for quicker engine warm-up [9.]
- **High resistance to mechanical stress**
  Maintains viscosity and stays in grade throughout the oil-change interval.
- **Low evaporation formulation**
  Low oil consumption for less frequent top-up.

1 Based on Sequence VG sludge test results using 0W-30.

2 Based on Sequence IVA vs API SN using SAE 0W-30.

3 Based on OM646LA vs ACEA C2/C3 using SAE 0W-30.

4 Based on ACEA M 111 fuel economy results vs the industry reference oil using SAE 0W-30.

5 Based on DV4TD vs ACEA C2/C3 using SAE 0W-30.

6 Based on Sequence IIIG vs API SN using SAE 0W-30.

7 Based on Sequence VIII corrosion test vs API SN using SAE 0W-30.

8 Based on VW FSI test limits using SAE 0W-30.

9 Compared to higher viscosity oils.

Main Applications

- Shell Helix Ultra ECT C2/C3's fully synthetic formulation uses Shell's most advanced 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 Ultra ECT C2/C3 can be used for modern gasoline engines, diesel engines with particulate filters and gas engines.
- Shell Helix Ultra ECT C2/C3 0W-30 is suitable for use in vehicles currently using SAE 5W-30 or 10W-30 grades, providing enhanced engine protection and fuel economy[1.]
- Also suitable for use with many hybrid vehicles.

1 Applicable where an API SN or ACEA C2/C3 oil is required.

Specifications, Approvals & Recommendations

- ACEA C2, C3
- API SP
- VW Standard 504.00, 507.00
- MB-Approval 229.52, 229.51, 229.31
- Fiat 9.55535-GS1 - Meets the requirements, 9.55535-DS1* - Meets the requirements
- Porsche C30

*Should not be used for Fiat SDE 1.3L Euro 6 engines.

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 Ultra ECT C2/C3 0W-30
Kinematic Viscosity	@100°C	cSt	ASTM D445	11.90
Kinematic Viscosity	@40°C	cSt	ASTM D445	58.70
Viscosity Index			ASTM D2270	204
MRV	@-40°C	cP	ASTM D4684	18 900
Density	@15°C	kg/m^3	ASTM D4052	838.0
Flash Point		°C	ASTM D92	226
Pour Point		°C	ASTM D97	-51

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 Ultra ECT C2/C3 0W-30 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 http://www.epc.shell.com

- **Protect the Environment**

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