Technical Data Sheet

Shell **Helix Extra Professional AR-L** *5W-30*

Fully Synthetic Motor Oil - Tailored to meet engine manufacturer special requirements

Designed to meet the demanding requirements of particular high-performance passenger car diesel engines, including Renault and those requiring ACEA C4.

Proud Drivers Choose Shell Helix

Performance, Features & Benefits

- **Fuel efficiency**

  Passes the ACEA fuel economy M111FE (CEC-L-54-T-96) test.

- **Renault specific in-house tests**

  Passes the “LLR” test for oil oxidation, piston deposits and piston ring sticking.

- **Engine wear and durability**

  Passes Sequence IVB wear test (ASTM D8350) for valvetrain wear.

- **Engine cleanliness**

  Passes the VW TDI piston cleanliness (CEC L-117-20) test for piston cleanliness, ring sticking, end of test TBN/TAN.

  Passes the Sequence VG sludge test (ASTM D6593) for engine sludge and varnish.

- **Soot control**

  Passes DV6C (CEC L-106-16) oil dispersion at medium temperature test.

Main Applications

- Shell Helix Extra Professional AR-L 5W-30 for diesel engines is approved against the technically challenging ACEA C4 and Renault 0720 specifications.
- It is formulated specifically for use in diesel engine vehicles using diesel particulate filter (DPF) technology.
- Its low-SAPS formulation helps protect DPF systems from plugging.

Specifications, Approvals & Recommendations

- ACEA C4
- Renault RN 0720
- MB-Approval 226.51
- Meets requirements of FCA 9.55535 S4

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 Extra Professional AR-L 5W-30
	@15°C	kg/m³	ASTM D4052	836.1
Kinematic Viscosity	@40°C	cSt	ASTM D445	67.1
Kinematic Viscosity	@100°C	cSt	ASTM D445	12.0
Flash Point		°C	ASTM D92	230
Pour Point		°C	ASTM D97	-39

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 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.