



Shell Helix *Ultra 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 MB 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 the Peugeot TU3M valve-train scuffing wear test (CEC-L-38-A-94) for cam wear.

Passes the OM646LA wear test (CECL-099-08) for cam wear (inlet/outlet), cylinder wear, bore polish, tappet wear (inlet/outlet), piston cleanliness, engine sludge.
- **Engine cleanliness**
Passes the Peugeot TU5JP-L4 high-temperature deposits (CEC-L-88-T-02) test for ring sticking, piston varnish, viscosity increase and oil consumption.

Passes the VW TDI piston cleanliness (CEC L-78-T-99) test for piston cleanliness, ring sticking, end of test TBN/TAN.

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

Passes the MB M111 sludge test (CEC-L-53-95) for engine sludge.
- **Soot control**
Passes the DV4TD medium-temperature dispersivity test (CEC-L-093-04) for viscosity increase.

Specifications, Approvals & Recommendations

- ACEA C4
 - Renault RN 0720
- 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.

Main Applications

- Shell Helix Ultra 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.

Typical Physical Characteristics

Properties			Method	Shell Helix Ultra Professional AR-L 5W-30
Kinematic Viscosity	@100°C	cSt	ASTM D445	12.0
Kinematic Viscosity	@40°C	cSt	ASTM D445	67.1
Viscosity Index			ASTM D2270	178
MRV	@-35°C	cP	ASTM D4684	28800
Density	@15°C	Kg/m ³	ASTM D4052	847

Properties		Method	Shell Helix Ultra Professional AR-L 5W-30
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**

Shell Helix Ultra Professional AR-L 5W-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 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.