



Shell Helix Ultra Professional AF-L 5W-30

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

Designed to meet the demanding requirements of particular high-performance engines, including Ford, Jaguar and Mazda, and those requiring ACEA C1.

Proud Drivers Choose Shell Helix

Performance, Features & Benefits

- Fuel efficiency**
 Passes the ACEA fuel economy M111FE (CEC-L-54-96) with a minimum of 3% fuel efficiency improvement.
- Engine wear and durability**
 Passes demanding Ford in-house engine test for valve train wear.

 Passes the TU3M valve-train scuffing wear engine test (CEC-L-038-A-94) for cam wear.

 Passes the OM646 test (CEC-L-99-08) for cam wear (outlet and inlet), cylinder wear, bore polishing, tappet wear (outlet and inlet), piston cleanliness and engine sludge.
- Engine Cleanliness**
 Passes the TU5JP-L4 high-temperature deposits test (CEC-L-88-T-02) for ring sticking and piston varnish.

 Passes the ASTM Sequence VG low-temperature engine sludge test (ASTM D6593).

 Passes the MB M111 black sludge test.

 Passes the VW 1.9 TDI ring sticking and piston cleanliness test (CEC-L-078-99).
- Soot Control**
 Passes the DV4TD medium-temperature dispersivity test (CEC-L-093-04).

Specifications, Approvals & Recommendations

- ACEA C1
- Ford WSS-M2C934-B
- Jaguar Land Rover STJLR.03.5005 (meets)
- 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 AF-L for diesel engines is approved against the technically challenging in-house Ford engine oil specification WSS-M2C934-B.
- Meets the technical requirements of the Jaguar Land Rover engine oil specification STJLR.03.5005

Typical Physical Characteristics

Properties			Method	Shell Helix Ultra Professional AF-L 5W-30
Kinematic Viscosity	@100°C	cSt	ASTM D445	9.84
Kinematic Viscosity	@40°C	cSt	ASTM D445	53.38
Viscosity Index			ASTM D2270	173
MRV	@-35°C	cP	ASTM D4684	25100
Density	@15°C	Kg/m ³	ASTM D4052	850
Flash Point			ASTM D92	234
Pour Point			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 AF-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.