



Shell Helix *Ultra Professional AF 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 and those requiring ACEA A5/B5.

Proud Drivers Choose Shell Helix

Performance, Features & Benefits

Fuel efficiency

Passes ACEA fuel economy MB M111FE (CEC-L-54-T-96) with a minimum of 3 % fuel efficiency improvement.

Engine wear and durability

Passes Ford in-house test for valve train wear.

Passes ASTM ball rust test (ASTM D6557) for engine rust.

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

Passes OM646 wear 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 Peugeot TU5JP-L4 high-temperature deposits test (CEC-L-88-T-02) for ring sticking and piston varnish.

Passes ASTM Sequence VG (ASTM D6593) and Seq IVA low-temperature sludge/valve train wear test (ASTM D6891)

Passes Ring sticking and piston cleanliness test (CEC-L-78-08) Passes MB M111 black sludge test.

Soot Control

Passes DV4TD medium temperature dispersivity test (CEC-L-093-04) for viscosity increase.

Main Applications

Shell Helix Ultra Professional AF 5W-30 for gasoline and diesel engines is approved against the technically challenging in-house Ford engine oil specification WSS-M2C913-C & WSS-M2C913-D

Also approved against the demanding Jaguar Land Rover engine oil specification STJLR.03.5003.

Specifications, Approvals & Recommendations

• API SL

• ACEA A5/B5

• Ford WSS-M2C913-C & WSS-M2C913-D

• Jaguar Land Rover STJLR.03.5003

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 Professional AF 5W-30 |
|----------------------------|-------------------|---|
| Kinematic Viscosity @100°C | cSt | ASTM D445 9.62 |
| Kinematic Viscosity @40°C | cSt | ASTM D445 52.51 |
| Viscosity Index | | ASTM D2270 170 |
| MRV @-35°C | cP | ASTM D4684 17 500 |
| Density @15°C | kg/m ³ | ASTM D4052 851 |
| Flash Point | °C | ASTM D92 222 |
| 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 AF 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.