



Shell Helix *Ultra Professional AS-L 0W-20*

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

Designed to meet the demanding requirements of particular high-performance engines, including Volvo cars and those requiring ACEA C5.

Proud Drivers Choose Shell Helix

Performance, Features & Benefits

• Fuel efficiency

Passes ACEA M111 test (CEC-L-54-T-96) for fuel economy with a minimum improvement of 3.4 % (average of three tests).

• Engine wear and durability

Passes the ACEA Peugeot TU3M test (CEC-L-038-A-94) for valve train wear.

Passes the ACEA OM646 test (CEC-L-99-08) for cam & tappet wear, cylinder wear, piston cleanliness and engine sludge.

• Engine cleanliness

Passes the ACEA Peugeot TU5JP-L4 test (CEC-L-88-T-02) for piston ring sticking merits, piston varnish and oil thickening.

Passes the ACEA VW TDI test (CEC L-78-T-99) for piston cleanliness.

Passes the ACEA DV4TD test (CEC-L-093-04) for viscosity increase & piston cleanliness.

Passes the ASTM Sequence VG test (ASTM D6891) for engine sludge.

Passes the ACEA MB M111 (M271S) black sludge test.

Passes the demanding engine test required by Volvo cars.

Main Applications

Shell Helix Ultra Professional AS-L for gasoline and diesel engines is approved against the technically challenging Volvo engine oil specification VCC RBS0-2AE. which combines the ACEA C5 specification engine tests with additional Volvo tests. This oil should only be used for the new VEA engine platform produced for 2015 onwards.

Specifications, Approvals & Recommendations

- Volvo VCC RBS0-2AE
- ACEA C5
- API SN
- 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 Professional AS-L 0W-20 |
|---------------------|--------|-------------------|------------|---|
| Kinematic Viscosity | @100°C | cSt | ASTM D445 | 8.18 |
| Kinematic Viscosity | @40°C | cSt | ASTM D445 | 41.89 |
| Viscosity Index | | | ASTM D2270 | 174 |
| MRV | @-40°C | cP | ASTM D4684 | 11 200 |
| Density | @15°C | kg/m ³ | ASTM D4052 | 832.7 |
| Flash Point | | °C | ASTM D92 | 232 |
| Pour Point | | °C min | ASTM D97 | -60 |

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 (SDS) which can be obtained from <http://epc.shell.com>