



Shell Helix Ultra Professional AV 0W-30

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

Designed to meet the demanding requirements of particular high-performance engines, including Audi and VW, 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 2.5% fuel efficiency improvement (average of three results).

Volkswagen specific in-house tests

Passes the VW PV 1449 (T4) test for viscosity increase and piston deposits

Passes the VW PV1452 (TDI) forring sticking and piston cleanliness.

Passes the VW seals tests. Passes the VW PV 5106 cam and tappet wear test.

Passes the VW RNT test for cam and tappet wear.

Engine wear and durability

Passes the Peugeot TU3M valve-train scuffing wear test (CEC-L-38-A-94) for cam wear.

Passes the OM646LA test (CEC-L-099-08)for cam wear (inlet/outlet), cylinder wear, bore polish, tappet wear (inlet/outlet), piston cleanliness and engine sludge.

Engine cleanliness

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

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

Passes the ASTM Sequence VG sludge test (ASTM D6593).

Soot control

Passes the DV4TD medium-temperature dispersivity test (CEC-L-093-04).

Specifications, Approvals & Recommendations

- ACEA A5/B5
- VW 503.00/506.00/506.01
- 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 AV 0W-30 for gasoline and diesel engines is approved against the technically challenging VW 503.00/506.00/506.01 specifications.

Typical Physical Characteristics

Properties			Method	Shell Helix Ultra Professional AV 0W-30
Kinematic Viscosity	@100°C	cSt	ASTM D445	9.6
Kinematic Viscosity	@40°C	cSt	ASTM D445	53.0
Viscosity Index			ASTM D2270	167
MRV	@-40°C	cP	ASTM D4684	22900
Density	@15°C	Kg/m ³	ASTM D4052	851.9
Flash Point		°C	ASTM D92	235
Pour Point		°C	ASTM D97	-45

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 AV 0W-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.