



Shell Helix HX7 Professional AV 5W-30

Synthetic Technology 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 C3.

Proud Drivers Choose Shell Helix

Performance, Features & Benefits

• Fuel efficiency

Passes the 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) for viscosity increase and piston deposits.

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

Passes the VW seals tests.

• 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 (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 engine sludge test (ASTM D6593).

Passes the MB M111 engine sludge test.

• Soot Control

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

Specifications, Approvals & Recommendations

- ACEA C3
- VW 502.00/505.01
- 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 HX7 Professional AV 5W-30 for gasoline and diesel engines is approved against the technically challenging VW 502.00/505.01 specifications.

Typical Physical Characteristics

Properties			Method	Shell Helix HX7 Professional AV 5W-30
Kinematic Viscosity	@100°C	cSt	ASTM D445	12.18
Kinematic Viscosity	@40°C	cSt	ASTM D445	70.82
Viscosity Index			ASTM D2270	171
MRV	@-35°C	cP	ASTM D4684	32900
Density	@15°C	kg/m ³	ASTM D4052	853.4
Flash Point			ASTM D92	230
Pour Point			ASTM D97	-36

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 HX7 Professional AV 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.