



# Shell Helix *Ultra Professional* AH-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 Hyundai, and where ACEA C2 is recommended.

## Proud Drivers Choose Shell Helix

### Performance, Features & Benefits

- **Fuel efficiency**

ACEA fuel economy – MB M111FE (CEC-L-54-T-96).

Achieves a minimum of 2.5% fuel efficiency improvement.

- **Engine cleanliness**

Passes Peugeot TU5JP-L4 high-temperature deposits (CEC-L-88-T-02) for ring sticking, piston varnish merits, viscosity increase and oil consumption.

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

Passes VW TDI test (CEC L-78-T-99) for piston cleanliness, ring sticking and end-of-test total base number and total acid number.

Biodiesel compatibility: Demonstrated piston cleanliness, ring sticking and sludge performance.

Passes ASTM Sequence VG sludge test (ASTM D6593) for engine sludge and varnish.

Passes MB M271 test for engine sludge.

- **Engine wear and durability**

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

Passes OM646LA wear test (CECL-099-08) for cam and cylinder wear, bore polishing, piston cleanliness and engine sludge.

### Main Applications

- Shell Helix Ultra Professional AH-L for gasoline and diesel engines with and without diesel particulate filters, is recommended by Hyundai and suitable for vehicles where ACEA C2 is specified.

### Specifications, Approvals & Recommendations

- ACEA C2
- Recommended by Hyundai
- 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 AH-L 5W-30
Kinematic Viscosity	@100°C	cSt	ASTM D445	10.18
Kinematic Viscosity	@40°C	cSt	ASTM D445	57.6
Viscosity Index			ASTM D2270	166
MRV	@-35°C	cP	ASTM D4684	12700
Density	@15°C	kg/m <sup>3</sup>	ASTM D4052	837.2
Flash Point		°C	ASTM D92	242
Pour Point		°C	ASTM D97	-48

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 Material Safety Data Sheet (MSDS), which can be obtained from <http://www.epc.shell.com>