



Shell Helix *Ultra Professional* AB 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 Mercedes-Benz and those requiring API SL or ACEA A3/B4.

Proud Drivers Choose Shell Helix

Performance, Features & Benefits

• Fuel efficiency

Passes the ACEA fuel economy MB M111FE (CEC-L-54-96) with a minimum of 2.5% fuel efficiency improvement (average of three results).

• Mercedes-Benz specific in-house tests

Passes the M271 cam and piston wear test. Passes the MB NEDC fuel economy tests.

• Engine wear and durability

Passes the ASTM Sequence VIII bearing corrosion (ASTM D6709) bearing weight loss test.

Passes Sequence IVB wear test (ASTM D8350) for valvetrain wear.

Passes the ASTM Sequence IVA wear test (ASTM D6891) for cam wear.

• Engine cleanliness

Passes the Sequence IIIF piston deposit test (ASTM D7320) for viscosity increase, piston deposits and cam and lifter wear.

Passes the VW TDI piston cleanliness test (CEC L-117-20) for piston cleanliness.

Passes Sequence VH sludge test (ASTM D8256) for engine sludge and varnish.

Passes the M271 test for engine sludge.

• Soot Control

Passes DV6C (CEC L-106-16) oil dispersion at medium temperature test.

Main Applications

- Shell Helix Ultra Professional AB 5W-30 for gasoline and diesel engines is approved against the technically challenging Mercedes-Benz engine oil specification MB 229.5. It is formulated specifically for use in Mercedes-Benz vehicles calling for MB 229.5, which combines the ACEA A3/B4 specification and in-house MB gasoline and diesel engine tests, for use as a global service-fill oil.

Specifications, Approvals & Recommendations

- API SL
- ACEA A3/B3, A3/B4
- MB-Approval 229.5
- 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 AB 5W-30
Kinematic Viscosity	@100°C	cSt	ASTM D445	11.93
Kinematic Viscosity	@40°C	cSt	ASTM D445	71.69
Viscosity Index			ASTM D2270	163
MRV	@-35°C	cP	ASTM D4684	17 700
Density	@15°C	kg/m ³	ASTM D4052	841.3

Properties		Method	Shell Helix Ultra Professional AB 5W-30
Flash Point	°C	ASTM D92	244
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**

Shell Helix Ultra Professional AB 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 Safety Data Sheet, which can be obtained from <https://www.epc.shell.com/>

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.