



# Shell Helix *Ultra Professional* AB-L 0W-30

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

Designed to meet the demanding requirements of particular high-performance engines from Mercedes-Benz.

## Proud Drivers Choose Shell Helix

### Performance, Features & Benefits

- Fuel Efficiency**

ACEA fuel economy - MB M111FE (CEC-L-54-T-96). A 2.6% fuel efficiency improvement versus industry reference oil.

- Engine wear and durability**

Passes Peugeot TU3M valve-train scuffing wear test (CEC-L-38-A-94) for cam and pad wear. Passes Sequence IVA (ASTM D6891) for valve train wear.

- Mercedes-Benz specific in-house tests**

Passes a range of tests including MB M271 engine sludge test, MB M271 wear test, OM646LA wear test (CEC-L-099-08) and MB NEDC fuel economy tests: W204 C250 CDI/Engine OM651, W204 C350 CDI/Engine OM642, W204 C200 K/Engine M271 ML18, W204 C350 CGI/Engine M272 DE35.

- Engine cleanliness**

Passes Peugeot TU5JP-L4 high-temperature deposits test (CEC-L-88-T-02), DV4TD medium-temperature dispersivity test (CEC-L-093-04), VW TDI piston cleanliness test (CEC-L-78-T-99), Sequence IIIG (ASTM D7320) piston cleanliness and oxidative oil thickening test and ASTM Sequence VG sludge test (ASTM D6593)

### Main Applications

- Shell Helix Ultra Professional AB-L 0W-30 for diesel engines is approved against the technically challenging Mercedes Benz MB 229.52<sup>1</sup>. It is formulated specifically for use in diesel engine vehicles using diesel particulate filter (DPF) technology. Its low-SAPS formulation helps to protect DPF systems from plugging.

<sup>1</sup> May be used in Mercedes-Benz diesel engines with or without a diesel particulate filter and those requiring MB 229.51.

### Specifications, Approvals & Recommendations

- ACEA C3
- API SN
- MB-Approval 229.52, 229.51, 229.31
- To find the right Shell Helix product for your vehicles and equipment, please consult Shell LubeMatch at: <http://lubematch.shell.com>

### Typical Physical Characteristics

Properties			Method	Helix Ultra Professional AB-L 0W-30
Kinematic Viscosity	@100°C	cSt	ASTM D445	11.9
Kinematic Viscosity	@40°C	cSt	ASTM D445	58.7
Viscosity Index			ASTM D2270	204
MRV	@-40°C	cP	ASTM D4684	18 900
Density	@15°C	kg/m <sup>3</sup>	ASTM D4052	838
Flash Point		°C	ASTM D92	226
Pour Point		°C	ASTM D97	-51

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-L 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 (MSDS), which can be obtained from <http://epc.shell.com>

- **Protect the Environment**

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