



Shell Helix Diesel Ultra AB-L 5W-30

Maximise performance right up to the next oil change.

Shell Helix Diesel Ultra AB-L is the latest generation fully synthetic engine oil designed specifically to meet the needs of all Mercedes-Benz diesel engines, including those with diesel particulate filters. Approved by Mercedes-Benz for normal and extended service (Europe).

Contains Shell's ultimate active cleansing technology to continuously prevent dirt and sludge build-up, maximising engine performance right up to the next oil change.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Emission system protection**
Low SAPS formula to provide long life for diesels fitted with Diesel Particulate Filters and Three Way Catalyst systems.
- **Shell's ultimate active cleansing technology**
Five times as effective at removing sludge from dirty engines than a mineral oil.
- **Long-term oxidation stability**
Up to 37% more protection than other fully synthetic leading brands tested.
- **Fuel economy**
Exceeds fuel economy requirements for MB cars.
- **Specially selected synthetic base oils**
Reduces the oil volatility and therefore the oil consumption. The need for oil top-up is therefore reduced.
- **High shear stability**
To maintain viscosity and stay in-grade throughout the oil drain period.

- **Minimises vibration and engine noise**
Smoother, quieter drive.

Main Applications

- Approved by Mercedes-Benz for engines requiring their specification MB 229.51.

Specifications, Approvals & Recommendations

- API: SM/CF
- ACEA: C3
- MB Approval: 229.51
- BMW: LL-04

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

Typical Physical Characteristics

Properties			Method	Shell Helix Diesel Ultra AB-L
Viscosity Grade				5W-30
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	71.5
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	11.8
Viscosity Index			ASTM D2270	162
Density	@15°C	kg/m ³	ASTM D4052	851
Pour Point			ASTM D97	-39

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 Diesel Ultra AB-L 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 <http://www.epc.shell.com/>

■ Protect the Environment

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

Additional Information

■ Advice

Advice on applications not covered here may be obtained from your Shell representative.