



Shell Helix Ultra AB 5W-30

Maximises performance right up to the next oil change

Shell Helix Ultra AB is the latest generation fully synthetic engine oil designed to meet the needs of all Mercedes-Benz gasoline engines and diesel engines without particulate filters. Approved by Mercedes-Benz for normal and extended service.

Shell Helix Ultra AB is a fully synthetic lubricant containing 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

- Protection against wear**
 Formulated with long life additives and protective agents to ensure maximum engine protection against costly engine wear, even in the toughest driving conditions and harshest climates.
- 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 synthetic leading brands tested.
- Longer oil drain intervals**
 Specially designed to meet the extended oil change requirements of Mercedes engines.
- Specially selected synthetic base oils**
 Reduces the oil volatility and therefore the oil consumption. The need to top-up is therefore reduced.

- Fuel economy**
 Exceeds fuel economy requirements of Mercedes-Benz cars.
- 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 all engines requiring their specification MB 229.5.

Specifications, Approvals & Recommendations

- API SH, CF
 - ACEA A3/B3/B4
 - MB-Approval 229.5
- For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Helix Ultra AB
Viscosity Grade				5W-30
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	64.7
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	11.4
Viscosity Index			ISO 2909	173
Density	@15°C	kg/m ³	ASTM D4052	848
Pour Point			ISO 3016	-42

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 AB 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 <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.