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Technical Data Sheet

Shell Helix *Ultra AT-L 5W-40*

Maximises performance right up to the next oil change

Shell Helix Ultra AT-L is the latest generation fully synthetic engine oil designed to meet the needs of Fiat and other manufacturers of gasoline engines fitted with three-way catalyst systems and diesel engines fitted with diesel particulate filters.

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

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Shell's ultimate active cleansing technology**
Continuously prevents dirt and sludge build-up.
- **Specially selected synthetic base oils**
Reduce oil volatility and therefore oil consumption and the need for top-up.
- **Long-term oxidation stability**
High levels of antioxidant give excellent oxidation protection.
- **Low viscosity, rapid oil flow and low friction**
Greater fuel efficiency and easier cold starting.
- **High shear stability**
Maintains viscosity and stays in grade throughout the oil-change interval.
- **Low-SAPS oil for emission system protection**
Provides long life for exhaust after-treatment devices.

Main Applications

- Suitable for Fiat engines requiring specification 9.55535-S2.

Specifications, Approvals & Recommendations

- Fiat: 9.55535-S2 (meets requirements)
- API: SM/CF
- ACEA: C3
- BMW: LL-04
- MB Approval: 229.31

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 Ultra AT-L 5W-40
Viscosity Grade				5W-40
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	74.49
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	13.1
Viscosity Index			ISO 2909	170
Density	@15°C	kg/m ³	ASTM D4052	840
Pour Point			ISO 3016	-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 Ultra AT-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.