



Shell Helix *HX7 AF 5W-30*

Passenger car engine oil for modern cars

Shell Helix HX7 AF is the latest generation synthetic technology engine oil designed specifically to meet the needs of all Ford gasoline and diesel engines without particulate filters. For extra responsiveness right up to the next oil change.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Excellent engine protection**
Contains special active cleansing technology to continuously prevent dirt and sludge build-up. Providing extra protection and responsiveness right up to the next oil change.
- **Catalyst and turbo compatible**
- **Fuel economy performance**
Low viscosity, rapid oil flow in starting condition and low friction, effectively contribute towards reducing fuel consumption. Fuel economy performances have been proven in engine tests.
- **Easy start-up even with cold condition**
The rapid oil flow in starting condition assures an easy start and the engine protection in this severe phase.
- **Low volatility**
The use of selected advanced base oils reduce oil volatility therefore reducing oil consumption.

Main Applications

- All naturally aspirated, fuel injected, turbo-charged and multivalve Ford passenger car engines that admit the use of fuel economy oils having a low viscosity in high temperature high shear rate conditions.

Typical Physical Characteristics

Properties			Method	Shell Helix HX7 AF 5W-30
Viscosity Grade				5W-30
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	57.4
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	9.5
Viscosity Index			ASTM D2270	160
Density	@15°C	kg/m ³	ASTM D1298	857
Flash Point			ASTM D93	192
Pour Point			ASTM D97	-45

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

- Oils meeting WSS-M2C 913A&B have a mandatory recommendation for the following Ford models:
Petrol engines 99 Model Year onwards:
Vehicles with 20000km service interval Focus 1.4/1.6 Zetec-SE, 1.8/2.0 Zetec-E Mondeo 2001 - 1.8/2.0 Duratec-HE, 2.5 Duratec-VE Transit (8/98) - 2.0/2.3 DOHC.
Diesel engines 99 Model Year onwards:
Focus - 1.8 Endura-DI, 1.8 DuraTorq - TDCi Mondeo - 2.0 DuraTorq DI Transit - 2.0/2.4 DuraTorq DI.

Specifications, Approvals & Recommendations

- Ford: WSS-M2C913A and WSS-M2C913B
- API: SJ
- ILSAC: GF-2
- ACEA: A1/B1

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

Health, Safety & Environment

■ Health and Safety

Shell Helix HX7 AF 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.