



Shell Helix *HX7 Professional AF 5W-30*

Synthetic Technology Motor Oil - Tailored to meet engine manufacturer special requirements

Designed to meet the demanding requirements of particular high-performance engines, including Ford and those requiring API SJ, ILSAC GF-2 or ACEA A1/B1.

Proud Drivers Choose Shell Helix

Performance, Features & Benefits

• Fuel efficiency

Passes the ACEA fuel economy MB M111FE (CEC-L-54-T-96) with a minimum of 2.5% fuel efficiency improvement (average of three results).

Passes the ASTM Sequence VIA (ASTM D6891) with a 1.3 % minimum improvement, or approval against the ASTM Sequence VIB (ASTM D6837) requirements of ILSAC GF-3.

• Engine wear and durability

Passes the Peugeot TU3M valve-train scuffing wear engine test (CEC-L-038-A-94) for cam wear.

Passes the ASTM ball rust test (ASTM D6557) for engine rust.

Passes the ASTM VIII bearing corrosion (ASTM D6709) for bearing weight loss.

Passes the OM602A wear, viscosity stability and oil consumption test.

• Engine cleanliness

Passes the Peugeot TU3M high-temperature deposit, ring sticking and oil thickening test (CEC-L-38-A-94).

Passes oxidative stability requirements (double length ASTM Sequence IIIE; or IIIF, ASTM D7320).

Passes ASTM Sequence VE (ASTM D5302), or VG (ASTM D6593) plus IVA (ASTM D6891), low-temperature sludge and valve-train wear requirements.

Passes the Ring sticking and piston cleanliness test (CEC-L-46-T-93).

Passes the MB M111 black sludge test.

• Soot Control

Passes the DV4TD medium-temperature dispersivity test (CEC-L-56-T-98).

Main Applications

- Shell Helix HX7 Professional AF for gasoline and diesel engines is approved against the technically challenging in-house Ford engine oil specifications WSS-M2C-913 A/B.

Specifications, Approvals & Recommendations

- API SJ
- ACEA A1/B1
- ILSAC GF-2
- Ford WSS-M2C-913 A & WSS-M2C-913 B
- To find the right Shell Helix product for your vehicles and equipment, please consult Shell LubeMatch at: <http://lubematch.shell.com>

Advice on applications not covered here may be obtained from your Shell or Shell Lubricants distributor representatives or technical help desks.

Typical Physical Characteristics

Properties			Method	Shell Helix HX7 Professional AF 5W-30
Kinematic Viscosity	@100°C	cSt	ASTM D445	9.92
Kinematic Viscosity	@40°C	cSt	ASTM D445	54.7
Viscosity Index			ASTM D2270	170
MRV	@-35°C	cP	ASTM D4684	17300

Properties			Method	Shell Helix HX7 Professional AF 5W-30
Density	@15°C	Kg/m ³	ASTM D4052	851
Flash Point		°C	ASTM D92	230
Pour Point		°C	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.

Health, Safety & Environment

• Health and Safety

Shell Helix HX7 Professional AF 5W-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, which can be obtained from www.epc.shell.com

• Protect the Environment

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