



Shell Helix Ultra Professional AF 5W-20

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

Designed to meet the demanding requirements of particular high performance gasoline engines, including Ford "Ecoboost" engines.

Proud Drivers Choose Shell Helix

Performance, Features & Benefits

Fuel Efficiency

Passes ACEA fuel economy MB M111FE (CEC-L-54-T-96) with up to 3% fuel efficiency improvement ¹

Engine Wear And Durability

Passes In-house engine durability test Fox GTDI (CETP 03.00-L-321) for engine deposits and wear.

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

Passes OM646 LA test for wear, viscosity stability and oil consumption (CEC-L-99-08).

Engine Cleanliness

Passes Peugeot TU5JP-L4 test for high-temperature deposits, ring sticking and oil thickening (CEC-L-88-T-02).

Passes the DV4TD medium temperature dispersivity test (CEC-L-093-04) for viscosity increase, piston merit.

Passes ASTM Sequence VG low-temperature sludge test (ASTM D6891).

Passes the VW TDI ring sticking and piston cleanliness test (CEC-L-78-99).

¹ Up to 3% fuel efficiency improvement versus 15W-40 reference oil

Main Applications

- Shell Helix Ultra Professional AF 5W-20 for gasoline engines was formulated specifically for use in Ford vehicles with the "Ecoboost" engine requiring WSS-M2C948-B and where API SN or ACEA A1/B1 are specified. It is also backwards-compatible with the majority of Ford gasoline engines including those that require the following oil specifications of WSS M2C913-B, WSS M2C913-C or WSS M2C925-A.

Specifications, Approvals & Recommendations

- API SN
- ACEA A1/B1
- Ford WSS-M2C948-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 Ultra Professional AF 5W-20	
Kinematic Viscosity @100°C	cSt	ASTM D445	7.20
Kinematic Viscosity @40°C	cSt	ASTM D445	42.60
Viscosity Index		ASTM D2270	131
MRV @-35°C	cP	ASTM D4684	15 100
Density @15°C	kg/m ³	ASTM D4052	849.8
Flash Point	°C	ASTM D92	232
Pour Point	°C	ASTM D97	-36

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 Professional AF 5W-20 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.