Technical Data Sheet

Shell **Helix Extra 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 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 Sequence IVB wear test (ASTM D8350) for valvetrain wear.

- **Engine Cleanliness**

  Passes DV6C oil dispersion at medium temperature test (CEC L-106-16)

  Passes Sequence VH sludge test (ASTM D8256) for engine sludge and varnish

  Passes the VW TDI ring sticking and piston cleanliness test (CEC L-117-20).

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

Main Applications

- Shell Helix Extra 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 C5 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 C5
- 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 helpdesks.

Typical Physical Characteristics

Properties			Method	Shell Helix Extra Professional AF 5W-20
	@15°C	kg/m³	ASTM D4052	849.8
Kinematic Viscosity	@40°C	cSt	ASTM D445	42.60
Kinematic Viscosity	@100°C	cSt	ASTM D445	7.20
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**

  This product 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 https://www.epc.shell.com/

- **Protect the Environment**

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