Technical Data Sheet

Shell **Helix** *HX5 Diesel 15W-40*

Premium multi-grade motor oil - Helps to remove sludge from dirty engines

Shell Helix HX5 Diesel is designed to provide consistent light-duty diesel engine performance. It works hard to help protect against harmful soot deposits and wear by helping to control the oil thickness.

Proud Drivers Choose Shell Helix

Performance, Features & Benefits

- **Active cleansing technology**

  Over 50% more cleanliness control through reduced engine sludge [1]

- **Acid and corrosion control**

  Provides up to 50% more protection by helping to neutralise acids and prevent corrosion [1]

- **Enhanced wear protection**

  Provides up to 30% better engine wear performance in piston ring and cylinder liner wear and up to 50% for valve train wear [1.]

- **Premium multigrade formulation**

  Helps to provide protection in everyday daily driving conditions.

1 Compared with API CI-4, ACEA E7 and OEM specifications and based on Mercedes-Benz, Cummins and Mack engine tests, laboratory specification tests and field trials

2 Based on Sequence IVA engine test carried out at an independent laboratory

Main Applications

- Shell Helix HX5 Diesel's premium multigrade formulation helps to provide protection in everyday daily driving conditions. Shell Helix HX5 Diesel can be used for passenger car diesel engines requiring API CI-4, and it is also suitable for biodiesel.

Specifications, Approvals & Recommendations

- API CI-4
- 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 HX5 Diesel 15W-40
Kinematic Viscosity	@100ºC	cSt	ASTM D445	14.85
Kinematic Viscosity	@40ºC	cSt	ASTM D445	110.7
Viscosity Index			ASTM D2270	140
MRV	@-20ºC	cP	ASTM D4684	26200
Density	@15ºC	kg/m^3	ASTM D4052	887
Flash Point		ºC	ASTM D92	228
Pour Point		ºC	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 HX5 Diesel 15W-40 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.