Technical Data Sheet

- Maintenance Saving

Shell **Rimula** *R6 MS 10W-40*

Advanced Performance Heavy Duty Diesel Engine Oil

Shell Rimula R6 MS advanced performance oil delivers highly responsive protection, maintenance saving long drain performance, protection against soot, wear, deposits and fuel economy. Suitable for most Euro 4, 5 engines and Euro 6 Scania engines.

DYNAMIC PROTECTION PLUS

Performance, Features & Benefits

- **Maintenance Saving**

  Shell Rimula R6 MS meets the long oil drain requirements of leading engine makers such as Mercedes-Benz, MAN, DAF, Volvo and others to allow operators to optimize maintenance scheduling and maximize equipment availability without compromising durability.

- **Exceptional Piston Cleanliness**

  Shell Rimula R6 MS uses advanced additive technology that builds on the reputation and performance of Shell Rimula engine oils for high levels of piston cleanliness essential for long engine life.

- **Low Wear -Long Engine Life**

  Shell Rimula R6 MS meets the demanding wear protection requirements of many European, American and Japanese engines, controlling bore polish and valve train wear thus maximising engine life.

- **Fuel Economy**

  Shell Rimula R6 MS can save money in fuel consumption compared to high viscosity grades.

Main Applications



- **On-highway Heavy Duty Applications**

  Particularly suited for a wide range of trucking and transportation applications in vehicle using modern low-emission engines from Mercedes-Benz and MAN.

- Also meets or exceeds the performance requirements of other European makers such as Volvo, Renault, DAF, Scania, Deutz and Iveco as well as Cummins, Mack and many Japanese engine types Not recommended for Caterpillar engines.

- **Low Emission Engine Use**

  Shell Rimula R6 MS meets the requirements of most European manufacturers for Euro 2,3 engines and most Euro IV and Euro V engines without Diesel Particle Filter as well as Euro VI engines of Scania.

- For enhanced performance and protection of the latest low emission engines, we recommend the use of our advanced low SAPS products, Shell Rimula R6 LM/LME.

Specifications, Approvals & Recommendations

- API CF
- ACEA E7, E4
- Deutz DQC IV-18
- DTFR 15B120
- IVECO T3 E4 (Meets Iveco Specification)
- Mack EO-N
- MAN M3277
- MTU Category 3
- Renault Trucks RLD-2, RXD
- Scania LDF-2 / LDF-3
- Volvo VDS-3

  For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk

Typical Physical Characteristics

Properties			Method	Shell Rimula R6 MS 10W-40
Kinematic Viscosity	@40°C	mm^2/s	ASTM D445	90
Kinematic Viscosity	@100°C	mm^2/s	ASTM D445	13.6
Dyn. Viscosity	@-25°C	mPa s	ASTM D5293	6 600
Total Base Number		mgKOH/g	ASTM D2896	15.9
Sulphated Ash		%	ASTM D874	1.9
Density	@15°C	kg/l	ASTM D4052	0.867
Flash Point (COC)		°C	ASTM D92	234
Pour Point		°C	ASTM D97	-42

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 Rimula R6 MS 10W-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 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.