Technical Data Sheet

- Maintenance Saving

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

Advanced Performance Heavy Duty Diesel Engine Oil

Shell Rimula R6 M delivers highly responsive protection, maintenance saving long drain performance, protection against soot, wear, deposits and fuel economy. Suitable for most Euro 4, 5 engines without Diesel Particle Filter.

DYNAMIC PROTECTION PLUS

Performance, Features & Benefits

- **Maintenance saving**
  Shell Rimula R6 M meets the long oil drain requirements of leading engine makers such as Mercedes-Benz, MAN, Volvo and others to allow operators to optimize maintenance scheduling and maximize equipment availability without compromising durability.
- **Exceptional piston cleanliness**
  Shell Rimula R6 M 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 M meets the demanding wear protection of many European, American and Japanese engines, controlling bore polish and valve train wear thus maximising engine life.
- **Fuel economy**
  Shell Rimula R6 M 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 vehicles using modern low-emission engines from Mercedes-Benz and MAN. Also meets or exceeds the performance requirements of other makers such as Volvo, Deutz, Cummins, Mack.
- **Low emission engine use**
  Shell Rimula R6 M meets the requirements of most European manufacturers Euro IV and Euro V engines without Diesel Particle Filter.
  For Scania engines we recommend Shell Rimula R6 MS.
  For enhanced performance and protection of the latest low emission engines, especially those fitted with exhaust diesel particulate traps (DPF), we recommend the use of our advanced low SAPS products, Shell Rimula R6 LM / Shell Rimula Ultra.

Specifications, Approvals & Recommendations

- ACEA E4, E7
- API CI-4
- JASO DH-1
- Caterpillar ECF-2
- Cummins CES 20078
- Deutz DQC IV-10
- DTFR 15B120
- IVECO T3 E4 (Meets)
- Mack EO-N
- MAN 3277, 3377
- MTU Category 3
- Renault trucks RLD-2
- VOITH Oil Class B
- 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 M 10W-40
Kinematic Viscosity	@40°C	mm^2/s	ASTM D445	83.2
Kinematic Viscosity	@100°C	mm^2/s	ASTM D445	13.2
Dynamic Viscosity	@-25°C	mPa s	ASTM D5293	4 650
Viscosity Index			ASTM D2270	160
Total Base Number		mg KOH/g	ASTM D2896	13
Sulphated Ash		%	ASTM D874	1.5
Density	@15°C	kg/l	ASTM D4052	0.848
Flash Point		°C	ASTM D92 (COC)	256

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 M oils are unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and 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 authorized 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.