Technical Data Sheet

Shell **Rimula** *R6 ME 5W-30 (E4/228.5)*

- *Maintenance Saving*
- *Energy Saving*

Synthetic Heavy Duty Diesel Engine Oil

Shell Rimula R6 ME Energised Protection oil features advanced multi-functional additive technology to deliver highly responsive protection that continuously adapts to your driving conditions. Use of selected low-viscosity synthetic base oils further energises the oil's protective capability allowing enhanced fuel economy performance to be delivered with no compromise in durability. In addition, Shell Rimula R6 ME delivers maintenance saving, long drain performance coupled with excellent protection against soot induced wear, piston and engine deposits.

ENERGISED PROTECTION
Adapting to your engine's changing needs

Performance, Features & Benefits

- **Fuel economy**

  Through use of Shell's most advanced technology Shell Rimula R6 ME offers enhanced fuel economy capability* that can save money in fuel consumption, without compromising engine protection or durability.

  *eg compared to high viscosity oils

- **Maintenance saving**

  Shell Rimula R6 ME meets the long oil drain requirements of leading engine makers such as the Mercedes-Benz, MAN, DAF and others to allow operators to optimise maintenance scheduling and maximize equipment availability.

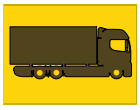
- **Low wear - extended engine life**

  Meets the demanding wear protection of most European engines for long engine life.

- **Cold weather protection**

  Shell Rimula R6 ME allows quicker cold starting than conventional 15W-40 or even 10W-40 oils. This means less wear on batteries and starter motors as well as less engine wear in cold climate operation.

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 and DAF.

  Not recommended for Caterpillar engines.

- **Low emission engine use**

  Shell Rimula R6 ME meets the requirements of most European manufacturers for Euro 2,3 engines and certain Euro 4 applications.

  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-emissions products, Shell Rimula R6 LM/LME.

Specifications, Approvals & Recommendations

- MAN 3277
- Iveco Standard TFE (Meets Iveco specification)
- MB Approval 228.5
- MTU Category 3
- Volvo VDS-2
- ACEA E4
- API CF

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

Typical Physical Characteristics

Properties			Method	Rimula R6 ME
Viscosity Grade				5W-30
Kinematic Viscosity	@40°C	mm^2/s	ASTM D445	68
Kinematic Viscosity	@100°C	mm^2/s	ASTM D445	11.6
Dynamic Viscosity	@-30°C	mPa s	ASTM D5293	5940
Viscosity Index			ASTM D2270	166
Total Base Number			ASTM D2896	16.4
Sulphated Ash		%	ASTM D874	1.9
Density	@15°C	kg/m^3	ASTM D4052	855
Flash Point		°C	ASTM D92	210
Pour Point		°C	ASTM D97	-39

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 ME 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 Material Safety Data Sheet, which can be obtained from http://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.