Technical Data Sheet

- Maintenance Saving
- Engine Efficiency

Shell **Rimula** *R6 ME E4 5W-30*

Fully Synthetic Heavy Duty Diesel Engine Oil

Shell Rimula R6 ME E4 oils deliver highly responsive protection, enhanced fuel economy with no compromise in durability, maintenance saving, long drain performance coupled with protection against soot induced wear, piston and engine deposits.

DYNAMIC PROTECTION PLUS

Performance, Features & Benefits

- **Fuel economy**

  Through use of Shell's most advanced technology Shell Rimula R6 ME E4 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 E4 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 E4 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 E4 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-SAPS products, Shell Rimula R6 LM/LME.

Specifications, Approvals & Recommendations

- MAN M3277
- Iveco 18-1804 Class TFE
- DTFR 15B120
- MTU Category 3
- Volvo VDS-3
- ACEA E4
- API CF
- Scania LDF-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 ME E4 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	5 940
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 E4 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.