Technical Data Sheet

- Maintenance Saving

Shell **Rimula** *R5 M 10W-40*

Synthetic Technology Heavy Duty Diesel Engine Oil

Shell Rimula R5 M enhanced with synthetic technology base oils that further energise the oil performance. Delivering responsive protection that adapt to your driving conditions, resulting in maintenance saving and long oil drain capability.

DYNAMIC PROTECTION PLUS

Performance, Features & Benefits

- **Maintenance saving**

  Shell Rimula R5 M has been formulated to meet the long oil drain requirements of engine makers such as Mercedes-Benz and MAN to allow operators to optimize maintenance scheduling.

- **Improved engine cleanliness**

  The advanced formulation delivers good engine cleanliness and protection against piston deposits allowing Shell Rimula R5 M to ensure engine and component reliability at extended oil drain intervals.

Main Applications



- **European heavy duty engines**

  Shell Rimula R5 M provides protection and performance in modern high power heavy duty diesel engines from leading European engine makers such as Mercedes-Benz and MAN

- **Low emission engine use**

  Shell Rimula R5 M meets the requirements of Mercedes-Benz, MAN and other 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

- ACEA E4
- IVECO T3 E4 (Meets Iveco specification)
- MAN M3277
- DTFR 15B120

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

Typical Physical Characteristics

Properties			Method	Shell Rimula R5 M 10W-40
Kinematic Viscosity	@40°C	mm^2/s	ASTM D445	89
Kinematic Viscosity	@100°C	mm^2/s	ASTM D445	13.4
Dynamic Viscosity	@-25°C	mPa s	ASTM D5293	6 700
Viscosity Index			ASTM D2270	152
Density	@15°C	kg/l	ASTM D4052	0.867
Flash Point (COC)		°C	ASTM D92	220
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 R5 M 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 Material 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.