



# Shell Rimula R6 LM 10W-40

- Low Emissions
- Maintenance Saving

## Fully Synthetic Heavy Duty Diesel Engine Oil

Fully synthetic oil featuring "Low-SAPS" additive technology to provide protective power and deliver Maintenance Savings.



### Performance, Features & Benefits

- **Maintenance saving**  
Shell Rimula R6 LM meets the long oil drain requirements of Mercedes-Benz, MAN and others, from the latest Euro 6 to older generation engines, to allow operators to optimize maintenance schedules and control maintenance costs.
- **Emissions system compatibility**  
Advanced low-ash formulation helps control blocking of or poisoning of exhaust after-treatment devices, helping maintain vehicle emission compliance and engine fuel efficiency.
- **Low wear, low deposits**  
Unique additive technology delivers high levels of piston cleanliness essential for long engine life and wear protection.
- **Fuel economy**  
Shell Rimula R6 LM 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 modern low-emission vehicles from Mercedes-Benz, MAN, Volvo and others. Especially suitable for fleets with mixed Euro 2,3,4, 5 and 6 engine types.

- **Low emission engine use**  
Shell Rimula R6 LM meets the latest requirements of most OEMs for Euro 4, 5, 6 engines and exceeds the performance requirements of industry specifications such as ACEA E9 and API CK-4.
- **CNG engine oil performance**  
Shell Rimula R6 LM is approved for use in buses and trucks fitted with engines designed to run on 100% CNG such as those from Mercedes-Benz and MAN.
- Shell Rimula R6 LM is suitable for use with biodiesel per the OEM recommended oil drain intervals.

### Specifications, Approvals & Recommendations

- ACEA E6, E7, E11
- API CK-4, CJ-4
- Caterpillar ECF-3, ECF-2
- Cummins CES 20086, 20081
- DAF Meets ACEA E6
- Deutz DQC IV-18 LA
- Detroit Fluids Specification 93K222, 93K218
- JASO DH-2
- Mack EO-S 4.5, EO-O Premium Plus
- MAN M3477\*, M3271-1\*
- DTFR 15C110 (prev. MB 228.51)
- MTU Category 3.1
- Renault Trucks RLD-3
- Volvo VDS 4.5, VDS-4
- IVECO NG2 (Meets requirements)

\* meets the requirements of

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

## Typical Physical Characteristics

| Properties              |        |                    | Method     | Shell Rimula R6 LM 10W-40 |
|-------------------------|--------|--------------------|------------|---------------------------|
| Kinematic Viscosity     | @40°C  | mm <sup>2</sup> /s | ASTM D445  | 96.8                      |
| Kinematic Viscosity     | @100°C | mm <sup>2</sup> /s | ASTM D445  | 14.5                      |
| Dynamic Viscosity       | @-25°C | mPa s              | ASTM D5293 | 6 080                     |
| Sulphated Ash           |        | %                  | ASTM D874  | 0.95                      |
| Density                 | @15°C  | kg/m <sup>3</sup>  | ASTM D4052 | 849                       |
| Flash Point (COC)       |        | °C                 | ASTM D92   | 250                       |
| Pour Point              |        | °C                 | ASTM D97   | -36                       |
| Total base number (TBN) |        | mg KOH/g           | ASTM D2896 | 12.9                      |

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 LM 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.