



Technical Data Sheet

- Low Emissions
- Maintenance and Energy Saving

Shell Rimula R6 LME 5W-30

Fully Synthetic Heavy Duty Diesel Engine Oil

Shell Rimula R6 LME oil features “Low-SAPS” additive technology and unique anti-wear system. Protection power is enhanced with synthetic technology that delivers extended maintenance and fuel economy performance. Suitable for Euro 4, 5, 6 vehicles.



Performance, Features & Benefits

- **Fuel economy**

Through use of Shell’s most advanced technology Shell Rimula R6 LME 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 LME meets the long oil drain requirements of Mercedes-Benz, DAF and others, from the latest Euro 6 to older generation engines, to allow operators to optimise 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. Unique anti-wear booster helps meet the demanding wear protection requirements of many engine types.

- **On-highway heavy duty applications**

Particularly suited for a wide range of trucking and transportation applications in modern low-emission vehicles from Mercedes-Benz, DAF and others. Especially suitable for fleets with mixed Euro 2,3,4 and 5 engine types.

- **Low emission engine use**

Shell Rimula R6 LME meets the latest requirements of Mercedes-Benz and others for Euro 4, 5, 6 engines and exceeds the performance requirements of industry specifications such as ACEA E6 and E7.

Specifications, Approvals & Recommendations

- ACEA E6, E7
- Cummins CES 20077
- Deutz DQC IV-10 LA
- Iveco TLS E6 - Meets the requirements
- Mack EO-N
- MAN M3477*, M3271-1*
- MB-Approval 228.51
- MTU Category 3.1
- Renault Trucks RLD-2
- Scania Low Ash
- Volvo VDS-3

* meets the requirements of

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

Main Applications



Typical Physical Characteristics

Properties			Method	Shell Rimula R6 LME 5W-30
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	66.9
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	12.13
Dynamic Viscosity	@-30°C	mPa s	ASTM D5293	5 638

Properties		Method	Shell Rimula R6 LME 5W-30
Total Base Number	Mg KOH/g	ASTM D2896	10.4
Sulphated Ash	%	ASTM D874	0.95
Density	@15°C kg/l	ASTM D4052	0.847
Flash Point (COC)	°C	ASTM D92	232
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 R6 LME 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.