



Shell Rimula R6 LME 5W-30 (E7/228.51)

- Low Emissions
- Maintenance and Energy Saving

Synthetic Heavy Duty Diesel Engine Oil

Shell Rimula R6 LME oil features Shell exclusive "Low-SAPS" additive technology and unique anti-wear system. Protective power is enhanced with the use of synthetic base oil technology that increases additive activity to deliver low-viscosity fuel saving performance with no compromise in durability. Key benefits are; compatibility with exhaust emissions control systems, extended maintenance capability and fuel economy performance*. Especially 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, MAN, 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, MAN, 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, MAN 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

- Cummins: CES 20077
- Deutz: DQC IV-10 LA
- MACK: EO-N
- MAN: 3477, 3677
- MB Approval: 228.51
- Renault Trucks: RLD-2
- Volvo: VDS-3
- ACEA: E6, E7

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

Main Applications



Typical physical characteristics

Properties			Method	R6 LME 5W-30	
Viscosity Grade				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	5638	
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 Material Safety Data Sheet, which can be obtained from 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.