

SHELL RIMULA R4 L

MULTI-GRADE HEAVY-DUTY DIESEL ENGINE OIL



DESIGNED TO MEET CHALLENGES

Shell Rimula R4 L Energised Protection oils use the latest “Low-SAPS” additive technology to protect under the most severe conditions found in modern low emission engines. The protective power of the oil is enhanced through the use of high purity “Group II” base oils that provide increased additive activity. It delivers significant improvements in wear protection, deposit control and resistance to breakdown under high temperatures*.

* compared to previous generation oils such as API CI-4 and ACEA E7

PERFORMANCE FEATURES

SIMPLIFY INVENTORY NEEDS

- Shell Rimula R4 L is approved by a wide range of leading OEMs, simplifying inventory needs for fleets with a mixture of engine makes.

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.

LOWER OPERATING COSTS

- Shell Rimula R4 L is formulated with an enhanced acid-control system to help fleet operators to achieve maximum drain flexibility.

OUTSTANDING WEAR PROTECTION

- Demonstrated over millions of kilometers of customer service, Shell Rimula R4 L provides significantly higher levels of wear protection than previous generation oils to prolong engine efficiency and life.

APPLICATIONS

Shell Rimula R4 L is suitable for on-highway truck, bus and coach applications including US 2007, Euro 2, 3, 4 and 5 applications. The exceptionally wide range of vehicle maker approvals allow Shell Rimula R4 L to provide a single-oil lubrication solution for fleets with mixed vehicle makes, providing logistical and inventory benefits.

SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

Shell Rimula R4 L meets the requirements of leading agricultural and construction equipment/engine makers such as Caterpillar, Cummins, Deutz and MTU.

- API: CJ-4, CI-4+, CI-4, CH-4, CG-4, CF-4, CF
- ACEA: E9, E7
- Caterpillar: ECF-2, ECF-3
- Cummins: CES 20081, 77, 72, 71
- DDC: 93K218
- Deutz: DQC III-05 LA
- MACK: EO-O Premium Plus
- MAN: 3575
- Mercedes-Benz Approval: 228.31
- MTU: Category 2.1
- Renault Trucks: RLD-3
- Scania: Low Ash
- JASO: DH-2
- Volvo: VDS-4, VDS-3.

MEETS THE SPECIFICATION FOR:

- IVECO: T2 E7.

TYPICAL PHYSICAL CHARACTERISTICS

CHARACTERISTICS	15W-40
Kinematic Viscosity (ASTM D 445)	
@ 40°C mm ² /s	118
@ 100°C mm ² /s	15.5
Viscosity Index (ASTM D 2270)	139
Density @ 15°C kg/m ³ (ASTM D 4052)	883
Flash Point °C (COC) (ASTM D 92)	227
Pour Point °C (ASTM D 97)	-33
Total Base Number mg KOH/g (ASTM D 2896)	10.6
Sulphated Ash % wt (ASTM D 874)	1.0 max.