



Rimula Super (CI-4)

Premium protection for the latest low emission, high performance engines under the most severe operation.

Rimula Super has been formulated to meet needs of the latest low emission and high performance diesel engines from European, North American and Japanese engine makers. Offering improved protection, longer oil life and improved compatibility with low-emission engine technology used in road transport, construction and other industries.

Applications

- ***Severe Duty heavy duty diesel engines***

Rimula Super provides demonstrated protection and performance in the latest high power heavy duty diesel engines from Europe, US and Japanese manufacturers in both over-the-road and off-highway applications.

- ***High technology low emission engines***

Rimula Super uses exclusive additive technology to provide the optimum engine protection, reducing wear, soot thickening and corrosion in the severe environment of today's Euro 4, US 2002 and Japanese emission controlled engines.

- ***Exhaust Aftertreatment Compatibility***

Rimula Super meets the requirements of Mercedes-Benz, MAN and other OEMs for Euro III engines equipped with exhaust diesel particulate traps (DPF) and latest Euro IV engine without DPF. For optimum performance in engines fitted with particulate filters, we recommend the use of Shell Rimula Signia.

Performance Features

- ***Improved Performance - Premium Protection***

Rimula Super has been formulated to meet the latest performance requirements of the industry and engine makers such as the American Petroleum Institute (API), Volvo and Cummins.

- ***Advanced additive technology***

Shell technologists have developed an exclusive additive to ensure maximum soot handling, wear protection and longer oil life in Euro 4, US 2002 and other advanced engines. Rimula Super also delivers outstanding wear protection and long life under the most arduous operating conditions, even for pre-2000 engines.

- ***Demonstrated performance for all applications***

Beyond specifications: Shell's global reach ensures that Rimula Super has been tested and proven in real-life applications, from severe duty operation in mining and construction operations to heavy duty haulage in some of the worlds most severe environments.

- ***Improved engine cleanliness***

The exclusive additive system delivers improved engine cleanliness and protection against piston deposits allowing Rimula Super to exceed the latest demanding requirements of OEMs such as Volvo.

Performance Specifications

ACEA	- E3, E5, E7
API	- CI-4, CH-4, CG-4, CF-4, CF
Global	- DHD-1
Cummins	- CES 20078 CES20071,2,5,6 & CES20077,
Caterpillar	ECF-1A
DAF	- ACEA E7
Mack Truck	- EO-M, EO-M+
MAN	- M 3275
MB - Approval	- 228.3
Renault Trucks	- RLD-2 (*)
Scania	- E7
Volvo	- VDS-3

All claims applicable to SAE 15W40 grade.
Only API claims applicable to SAE 10W30 grade.

(*)Formalization process in process

Health & Safety

Rimula Super is 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.

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative

Typical Physical Characteristics

Rimula Super	10W-30	15W-40
SAE Viscosity Grade	10W30	15W-40
Kinematic Viscosity (ASTM D 445)		
@ 40°C mm ² /s	11.5	118
@ 100°C mm ² /s	78.9	15.5
Dyn. Viscosity (ASTM D 2602)		
@ - 20 °C mPa s	-	6700
@ - 25 °C mPa s	6300	-
Viscosity Index (ASTM D2270)	149	138
Total Base Number mgKOH/g (ASTM D2896)	10	10
Sulphated Ash % (ASTM D874)	1.2	1.2
Density @ 15°C kg/m ³ (ASTM D 4052)	882	888
Flash Point °C (ISO 2592)	220	230
Pour Point °C (ASTM D97)	-39	-36

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.