



Shell Rimula R4 15W-40

• Modern Engine - High Power Use

Heavy Duty Diesel Engine Oil

Shell Rimula R4 adapts and protects under full range of pressures and temperatures found in modern engines. It delivers excellent soot and viscosity control, outstanding protection against wear and exceptional versatility for multiple engine makes.



Performance, Features & Benefits

- **Meets low emission requirements**
EGR Low Advanced SAE 15W-40 grade formula meets the engine oil requirements of low emission EGR engines as well as older engines reducing the need for additional oils in the fleet.
- **Outstanding protection**
Featuring an exceptional additive system to ensure maximum soot handling, Shell Rimula R4 delivers excellent wear protection and long oil life in advanced engines.
- **Improved engine cleanliness**
The exclusive additive system delivers improved engine cleanliness and protection against piston deposits allowing Shell Rimula R4 to exceed the demanding requirements of most OEMs.

Main Applications



- **Recommended for North American trucks**
With turbo and non-turbo charged engines; for new EGR and low-emission engines as well as older models. Includes trucks manufactured by Freightliner, Kenworth, International, Mack, Peterbilt, Volvo and others.

- **Suited for use in heavy construction and mining equipment**
From leading makers such as Caterpillar and Komatsu.
- **Recommended for leading brands of agricultural equipment**
Including John Deere, Case-New Holland and Massey Ferguson.

Specifications, Approvals & Recommendations

- Allison C-4
 - Caterpillar ECF-1a, ECF-2
 - Cummins CES 20078, 77, 76, 71
 - Detroit Diesel 93K214, 7SE270
 - Mack EO-N Premium Plus 03
 - MAN M3275-1
 - MB-Approval 228.3
 - MTU Category 2
 - Volvo VDS-3
 - API CI-4 PLUS, CI-4, CH-4, CG-4, CF-4, CF
- For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Rimula R4 15W-40
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	124
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	15.5
Dynamic Viscosity	@-20°C	mPa s	ASTM D5293	6500
Viscosity Index			ASTM D2270	139
Total Base Number	mg KOH/g		ASTM D2896	11.5
Sulphated Ash	% wt		ASTM D874	1.47

Properties			Method	Shell Rimula R4 15W-40
Density	@15°C	kg/l	ASTM D4052	0.880
Flash Point (COC)		°C	ASTM D92	220
Pour Point		°C	ASTM D97	-33

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 R4 15W-40 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of 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 <http://www.epc.shell.com/>

- **Protect the Environment**

Take used oil to an authorised 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.