



Technical Data Sheet

- Modern Engine - High Power Use

Shell Rimula R4 15W-40

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

- **Outstanding protection**

Featuring an exceptional additive system to ensure optimal soot handling, Shell Rimula R4 delivers excellent wear protection and long oil life in advanced engines.

- **Improve engine cleanliness**

The additive system delivers improved cleanliness and protection against piston deposit allowing Shell Rimula R4 to exceed the demanding requirements of a wide range of OEMs.

Main Applications



Specifications, Approvals & Recommendations

- API CI-4 Plus, CI-4, CH-4, CG-4, SL
- ACEA E7
- Cummins CES 20078, 20077, 20076
- MB-Approval 228.3
- Volvo VDS-3
- MAN 3275-1*
- CAT ECF-1A, ECF-2
- MACK EO-M Plus
- MTU Category 2

* meets the requirements of

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

Typical Physical Characteristics

Properties			Method	Shell Rimula R4 15W-40
Kinematic Viscosity	@ 40°C	mm ² /s	ASTM D445	111
Kinematic Viscosity	@ 100°C	mm ² /s	ASTM D445	15
Dynamic Viscosity	@ -20°C	mPa s	ASTM D5293	5 800
Viscosity Index			ASTM D2270	140
Total Base Number		mgKOH/g	ASTM D2896	11
Sulphated Ash		%	ASTM D874	1.35
Density	@ 15°C	kg/l	ASTM D4052	0.881
Flash Point (COC)		°C	ASTM D92	230
Pour Point		°C	ASTM D97	-39

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**

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 your Shell representative.

- **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 www.epc.shell.com