



Shell Rimula R2 Extra

Multigrade Heavy Duty Diesel Engine Oils

- **TURBOCHARGER PERFORMANCE**

Shell Rimula R2 Extra Energised Protection oils use proven combinations of additives that react to the varying needs of your engine. They include active dispersants to carry away dirt, keeping the engine clean. Each dedicated additive releases its protective energy when needed, to ensure reliable and consistent protection against deposits and wear and to resist thickening by heat. Approved by leading engine makers, suitable for most heavy duty applications including turbocharged engines



Performance Benefits

- **Multigrade Benefits**
Compared to monograde oils, Rimula R2 Extra can deliver the user a range of benefits associated with the use of multigrade oils. These include reduction of oil consumption by up to 30%*, longer oil life and improved fuel economy.
- **Protection for Turbocharged Engines**
Unlike some lower cost multigrade oils, Rimula R2 Extra can be confidently used in many turbocharged engines to provide protection and long engine life.
- **Piston Cleanliness**
Rimula R2 Extra exceeds the normal standards of piston cleanliness associated with API CF-4 oils - the use of modern formulation chemistry delivers piston cleanliness that meet the standards of Mercedes Benz 228.1 guaranteeing the user consistently high performance in a range of applications.
- **Major engine manufacturer acceptance**
Rimula R2 Extra meets the recommendation of many major automotive engine builders in Europe and America, providing flexibility to vehicle and equipment owners.

Applications



- **Automotive diesel engines**
Rimula R2 Extra is the ideal choice for a wide range of turbo-charged and non-turbocharged engines under normal operation. It is particularly recommended for use in older Mercedes-Benz trucks and buses as well as for cost effective lubrication in off highway applications such as agricultural tractors.

For more severe operation or application in modern low emission engines we recommend Shell Rimula R3 or Shell Rimula R4 multigrade engine oils.

Specification and Approvals

Specification and Approvals	SAE Viscosity Grade	
	15W-40	20W-50
API: CF-4, CF	✓	✓
ACEA: E2	✓	✓
MAN: 271	✓	✓
MB Approval: 228.1	✓	✓

* As stated by a leading engine maker
Shell Lubricants



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

Health and Safety

Shell Rimula R2 Extra 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.

Protect the environment

Take used oil to an authorized 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 R2 Extra		
SAE Viscosity Grade	15W-40	20W-50
Kinematic Viscosity (ASTM D 445)		
@ 40 °C mm ² /s	104.0	162.0
@ 100 °C mm ² /s	14.3	18.9
Dyn. Viscosity (ASTM D 5293)		
@ -15 °C mPa s		8400
@ -20 °C mPa s	6600	
Viscosity Index (ASTM D 2270)	141	134
Density @ 15°C kg/l (ASTM D 4052)	0.890	0.893
Flash Point (COC) °C (ASTM D 92)	226	246
Pour Point °C (ASTM D 97)	-33	-27

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