



#### Technical Data Sheet

- Universal Engine Oil
- General Purpose Diesel / Gasoline Application

## Shell Rimula R3 U 15W-40 (CG-4/SJ)

### Multigrade Heavy Duty Engine Oils

Shell Rimula R3 U Energised Protection oils feature well proven performance additives to deliver good general purpose engine protection.

Suitable for most heavy duty diesel and gasoline engine applications.



**ENERGISED PROTECTION**  
Adapting to your engine's changing needs

### Performance, Features & Benefits

- **Convenience**  
Suitable for most heavy-duty diesel and gasoline engine applications minimising the need to carry multiple oils for different vehicles.
- **Protection for turbo-charged engines**  
Shell Rimula R3 U can be confidently used in many turbo-charged engines to provide protection and long engine life.
- **Piston cleanliness**  
Shell Rimula R3 U exceeds the normal standards of piston cleanliness associated with API CG-4 oils - the use of modern formulation chemistry delivers piston cleanliness benefits for long engine life.

### Main Applications



- **Truck and Bus applications**  
Shell Rimula R3 U is the ideal choice for a wide range of turbo-charged and non-turbo-charged engines under normal operation.

### Light/medium duty applications

Meeting the requirements of many common light trucks and vans Shell Rimula R3 U is a good choice for mixed diesel/gasoline vehicle fleets.

For more severe operation or application in modern low emission diesel engines we recommend Shell Rimula R4 or Shell Rimula R5.

### Specifications, Approvals & Recommendations

- MAN: 271
- MB – Approval: 229.1
- MB – Approval: 228.1
- Volvo: VDS
- VW 505 00 (Meets requirements)
- API: CG-4, SJ, CF
- ACEA: E2, A2, B2

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

## Typical Physical Characteristics

Properties			Method	Shell Rimula R3 U 15W-40 (CG-4/SJ)
SAE Viscosity Grade				15W-40
Kinematic Viscosity	@40°C	mm <sup>2</sup> /s	ASTM D 445	105
Kinematic Viscosity	@100°C	mm <sup>2</sup> /s	ASTM D 445	14.5
Dynamic Viscosity	@-20°C	mPa s	ASTM D 5293	6500
Viscosity Index			ASTM D 2270	142
Density	@15°C	kg/l	ASTM D 4052	0.890
Flash Point (COC)		°C	ASTM D 92	230
Pour Point		°C	ASTM D 97	-33
Total Base Number		mg KOH/g	ASTM D 2896	9
Sulphated Ash		%	ASTM D 874	1.15

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 R3 U 15W-40 (CG-4/SJ) 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.