



Shell Rimula R3 Super 20W-50

- Triple Action
- Resists Wear, Deposits and Heat

Heavy Duty Diesel Engine Oil

Provides protection against wear, deposit formation and resists thickening by heat.



Performance, Features & Benefits

- **Unique formulation**
Shell Rimula R3 Super uses exclusive formulations proven in real world service to ensure the efficiency and life of your engine.
- **Engine cleanliness**
High thermal stability provides a high standard of protection against piston deposits which, together with high performance dispersants, delivers excellent control of sludge and deposits in the engine.
- **Low engine wear**
The combination of active anti-wear additives and good engine cleanliness controls engine wear, gives long engine life, maintains engine power and efficiency and lowers servicing costs.

High temperature protection

Shell Rimula R3 Super has been demonstrated to resist thermal breakdown ensuring continued protection throughout the drain interval, even under severe conditions found in modern engines.

Main Applications



Specifications, Approvals & Recommendations

- API CI-4, CH-4
For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Rimula R3 Super 20W-50
Kinematic Viscosity	@40°C	mm ² /s	ASTM D445	169.1
Kinematic Viscosity	@100°C	mm ² /s	ASTM D445	18.5
Dynamic Viscosity	@-20°C	mPa s	ASTM D5293	8 250
Viscosity Index			ASTM D2270	123
Density	@15°C	kg/l	ASTM D4052	0.886
Flash Point (COC)		°C	ASTM D92	238
Pour Point		°C	ASTM D97	-33
TBN		Mg KOH/g	ASTM D2896	10.5
Sulphated Ash		%	ASTM D874	1.45

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 Super 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.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <http://www.epc.shell.com>

- **Protect the Environment**

Take used oil to an authorized 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.