



# Shell Rimula Ultra (5W-30)

## *Ultimate protection and extended oil life for European Engines*

Rimula Ultra is the ultimate, fully synthetic diesel engine oil exceeding the most demanding European specifications and meeting the increasing market demand for 'fuel-efficient' oils. Rimula Ultra features a unique Shell developed formulation that is recognised by leading engine builders as offering the best performance available for modern European diesel engines.

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### Applications

- **Ultimate European Diesel Engine Oil Performance**  
Outstanding performance in automotive high-speed heavy duty diesel engines built in Europe and particularly suited for use in DaimlerChrysler and MAN Euro II and Euro III engines
- **Commercial Road Transport Operations**  
Designed for use in the latest highly rated turbocharged 4-stroke diesel engines under all operating conditions. Optimised for Euro II and Euro III engine technology.

### Performance Features and Benefits

- **Shell's advanced base oil technology**  
Rimula Ultra benefits from the properties of 'Shell XHVI', a synthetic base stock developed by Shell, with an extremely high viscosity index and resistance to high temperatures
- **A cleaner engine**  
Using a combination of Shell's calcium salicylate technology and other unique Shell approved additives, engine tests show that Rimula Ultra improves piston cleanliness resulting in a cleaner, more efficient and reliable engine.
- **Low wear - Extended engine life**  
Rimula Ultra provides outstanding wear protection under all operating conditions and is most effective in the prevention of bore polish. These properties ensure extended engine life and contribute to the resale value of the vehicle

- **Shear stable**  
The extremely stable viscosity index improver used is highly resistant to viscosity shear. When subjected to heavy mechanical shearing action this feature controls the viscosity of the oil throughout its service life reducing oil consumption and minimising wear.
- **Fuel economy**  
Rimula Ultra 5W-30 can bring savings of up to 5% in fuel consumption, without compromising on engine protection or increasing oil consumption.
- **Low volatility**  
Low oil top-up rates between recommended service intervals.
- **Lower operating costs**  
Rimula Ultra makes a significant contribution towards reducing the operating cost of a vehicle through:
  - Reduced downtime
  - Longer service intervals (approved by all leading OEMs)
  - Sustained high performance for the life of the vehicle
  - Fuel economy
  - Low oil consumption
- **Better cold starting**  
Rimula Ultra 5W-30 allows quicker cold starting than conventional 15W-40 oils. This means less wear on batteries and starter motors as well as less engine wear.

## Specification and Approvals

ACEA	- E4
API	- CF
DAF	- HP1, HP2
Mercedes-Benz	- 228.5, 225.6*
MAN	- M 3277
MTU	- Type 3
Volvo	- VDS-2

\*First-fill spec. for a range of engines.

## Grade selection

Climatic conditions must be considered when selecting viscosity grade by reference to local OEM specifications.

## Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.

## Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

## Protect the environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

## Typical Physical Characteristics

<b>Rimula Ultra</b>			<b>5W-30</b>
<b>SAE Viscosity grade</b>			5W-30
<b>Kinematic Viscosity</b>		ASTM D 445	
at 40°C	mm <sup>2</sup> /s		68
at 100°C	mm <sup>2</sup> /s		11,6
<b>Dyn. Viscosity</b>		ASTM D 5293	
at -30°C	mPa*s		5940
at -25°C	mPa*s		
<b>Viscosity Index</b>		ISO 2909	164
<b>Density at 15°C</b>	kg/m <sup>3</sup>	ASTM D 4052	855
<b>Flash Point COC</b>	°C	ISO 2592	230
<b>Pour Point</b>	°C	ISO 3016	-39
<b>TBN</b>	mg KOH/g	ISO 3771	17
<b>Sulphated Ash</b>	%	ISO 3987	1,9

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