



Technical Data Sheet

- Enhanced Fuel Economy
- Lower Emissions
- Maintenance Savings

Shell Rimula R7 Plus AM 5W-20

Fully Synthetic Low HTHSV Heavy Duty Diesel Engine Oil

Shell Rimula R7 Plus AM oil features “Low-SAPS”, high performing, efficient additive technology that is designed to deliver enhanced fuel economy and lower emissions benefits. Protection is enhanced with synthetic technology that significantly reduces engine friction and delivers extended maintenance intervals. Suitable for the very latest engine technologies.



Performance, Features & Benefits

• Fuel economy

Through the reduced High Temperature High Shear Viscosity (low HTHS), Shell Rimula R7 Plus AM offers enhanced fuel economy capability* that can save money in fuel consumption, without compromising engine protection or durability. The product fulfils the latest MAN 3977 specification for enhanced fuel economy

- *e.g. compared to higher viscosity like SAE 15W-40, SAE 10W-40 SAE 10W-30 and SAE 5W-30 high HTHS viscosity grade.

• Maintenance saving

Shell Rimula R7 Plus AM meets the long oil drain requirements from the latest Euro 6 engines, to allow operators to optimise maintenance schedules and control maintenance costs.

• Emissions system compatibility

Advanced low-ash formulation helps control blocking or poisoning of exhaust after-treatment devices, helping maintain vehicle emission compliance and engine fuel efficiency.

• Low wear, low deposits

The additive technology delivers high levels of piston cleanliness, essential for long engine life.

Main Applications



• On-highway heavy duty applications

Particularly suited for the latest MAN engine technologies. These products are not backward compatible, so cannot be used in older engines.

Specifications, Approvals & Recommendations

- MAN M 3977
- Scania LDF-5

For a full listing of equipment approvals and recommendations, please consult your local representative.

Typical Physical Characteristics

Properties			Method	Shell Rimula R7 Plus AM 5W-20
Kinematic Viscosity	@40°C	cSt	ASTM D445	45
Kinematic Viscosity	@100°C	cSt	ASTM D445	8.2
High Temperature High Shear Viscosity	@150°C	mPa s	ASTM D4741	2.6
Pour Point		°C maximum	ASTM D97	-40
Flash Point		°C	ASTM D92	239
Density	@15°C	kg/m ³	ASTM D4052	845

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 R7 Plus AM oil 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 Safety Data Sheet, which can be obtained from <https://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.