



SHELL
LUBRICANT SOLUTIONS

Go further with Shell Rimula

The Shell Rimula product portfolio of innovative, heavy-duty engine oils covers a wide range of equipment and industry needs, to deliver improved vehicle performance, oil life and fuel economy efficiency when you need it most.

Find out more at: shell.com/rimula



Understanding the obstacles that can stall your progress



On-highway

Reliability. Safety. Compliance. For modern transport operators like yourself, there are lots of competing demands to contend with. And of course, underpinning all of them is the need to stay competitive by maximising productivity so you can minimise your total operating costs.

But keeping your vehicles on the go can be a challenge, particularly with evolving trends splitting your time, effort and focus, like:

- **Maintenance best practice** – With maintenance accounting for around 10% of a fleet's total operating costs, staying on top of your expenditures can certainly pay off over the long run.¹
- **Technical innovation** – Higher-specification engines are helping transform the road freight industry, but they bring new and diverse demands with them, including approved oils to fully realise engine and drivetrain potential.
- **Oil-drain intervals (ODI)** – With engines evolving, some manufacturers now allow up to 150,000 km between ODIs. While this figure sounds great in theory, in practice it demands the right oil selection and maintenance solution to be in place to make it achievable.
- **Sustainability** – The road freight sector contributes roughly 9% of global carbon dioxide emissions, meaning pressure is mounting on businesses to comply with modern emissions standards.²



Off-highway

Whether your equipment spends its days furrowing fields or moving materials, you need to be sure it can be relied on to operate consistently – whatever the season, no matter the task. But being regularly exposed to harsh conditions can quickly take its toll; dust, dirt, heat and frost mean your equipment needs protection to perform.

With so many solutions on the market, however, keeping up with the latest best practices and trends can often feel like a full-time job in itself:

- **Predictive maintenance** – Shifting from a reactive to a predictive model of maintenance can help you increase your asset availability by up to 15% – a huge incentive when working in environments where every second counts.³
- **Equipment rental** – When it comes to expensive machinery, renting equipment is often the more economical choice – but could an improved maintenance strategy help reduce your reliance on hired machinery?
- **Specialist equipment** – Increasingly diverse fleets demand equally wide-ranging maintenance solutions, whether that is sensor-loaded farming equipment for precision agriculture or long-reach excavators that can complete specific tasks.
- **Emissions compliance** – While food security and sustainable farming are high on political agendas, the construction industry's carbon footprint is increasingly under the microscope – meaning it's never been more important to reduce your environmental impact.



Four ways Shell Rimula can drive business forward

If the equation for running a successful on- or off-highway business is as simple as maximising equipment productivity while limiting your total cost of ownership (TCO), then why doesn't managing a fleet of vehicles or machinery ever seem so straightforward?

While certain variables may lie outside of your control, often there are others within your grasp that can help to balance the figures. The lubrication you use is a great example, since it can affect so many areas of your business, from equipment operation to emissions output.

By prioritising protection and performance, our Shell Rimula portfolio is a versatile range of high-performance, heavy-duty engine oils that can help you make gains in each of these areas, adding up to: components that run more reliably; machines that run more efficiently; and a business that runs more smoothly, as a result.



Reduced maintenance costs

Our anti-wear protection system helps to reduce friction

Engine life is maximised to avoid unplanned downtime



Lower emissions

Blocked filters increase fuel consumption

A low-ash additive system helps to reduce filter blocking* and maintain control of wear and deposits



Improved fuel economy**

Helps equipment go further on each tank of fuel

Reduces the amount of energy lost in day-to-day applications



Extended oil-drain intervals

Delivers durability during extended ODIs

Provides a possible reduction in vehicle downtime

*Unique low-ash additive system designed to perform with diesel particulate filters (DPF).

**Shell Rimula premium lubricants allow higher efficiency and increased fuel economy compared with higher-viscosity engine oils. Shell Rimula fuel economy lubricants are all Shell Rimula Ultra, Shell Rimula R7 and Shell Rimula R6 5W-30 products.

Shell Rimula delivers:

Up to **56%** better engine wear protection⁴

150,000-km ODIs⁵

Up to **2%** fuel savings⁶



Find the right lubricant every time

Product	Benefits	Applications	Technology	Specifications and approvals
Shell Rimula R7 Plus AI 0W-20	- Maximum fuel economy for on-highway - Emission system compatibility - Maintenance saving	- On-highway trucks - Latest Euro VI engines - No backward compatibility	- Synthetic technology - Low sulphated ash, phosphorus and sulphur (SAPS) - Dynamic Protection Plus	Iveco 18-1804 Class TLV LS
Shell Rimula R7 Plus AD 0W-20	- Maximum fuel economy for on-highway - Emission system compatibility - Maintenance saving	- On-highway trucks - Latest Euro VI engines - No backward compatibility	- Synthetic technology - Low SAPS - Dynamic Protection Plus	DTFR 15C140
Shell Rimula R7 AX 5W-30	- Enhanced fuel economy - Emission system compatibility - Maintenance saving	- On-highway trucks - Latest Euro VI engines - No backward compatibility	- Synthetic technology - Low SAPS - Dynamic Protection Plus	API FA-4/SN; Volvo VDS-5; Renault VI RLD-5; Mack EO-S-5; DTFR 15C130; Cummins CES 20087; Detroit Fluids Specification DFS 93K223
Shell Rimula R7 Plus AM 5W-20	- Enhanced fuel economy - Emission system compatibility - Maintenance saving	- On-highway trucks - Latest Euro VI engines - No backward compatibility	- Synthetic technology - Low SAPS - Dynamic Protection Plus	MAN M3977; Scania LDF-5
Shell Rimula Ultra 5W-30	- Emission system compatibility - Maintenance saving - Fuel economy	- On-highway trucks and buses - Euro VI engines and backward compatibility - Excellent biodiesel compatibility	- Synthetic technology - Low SAPS - Dynamic Protection Plus	ACEA E6, E7, E8, E9, E11; API CK-4, CJ-4, CI-4, CH-4; JASO DH-2; Caterpillar ECF-3; Cummins CES 20086, 20081; Deutz DQC IV-18 LA; Iveco TLS E6 – meets the requirements; Mack EO-S 4.5, EO-O VDS-4* Premium Plus; MAN M 3477*, M 3677, M 3777; DTFR 15C110; MTU Category 3.1; Renault Trucks RLD-3; Scania LDF-4; Volvo VDS 4.5, VDS-4* *meets the requirements of



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Product	Benefits	Applications	Technology	Specifications and approvals
Shell Rimula R6 LME Plus 5W-30	- Emission system compatibility - Maintenance saving - Fuel economy	- On-highway trucks and buses - Extended DPF compatibility - Euro VI engines and backward compatibility - Excellent biodiesel compatibility	- Synthetic technology - Low SAPS - Dynamic Protection Plus	ACEA E6, E7, E8, E9, E11; API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, SN; Caterpillar ECF-3, ECF-2; Cummins CES 20086, 20081; Detroit Fluids Specification 93K222, 93K218; Ford WSS-M2C213-A1; Liebherr LH-00ENG LA-22 Standard; Deutz DQC IV-18 LA; JASO DH-2; Mack EO-S 4.5, EO-O Premium Plus; MAN M3677, M3477*; DTFR 15C110, DTFR 15C120; MTU Category 3.1; Renault Trucks RLD-3; Volvo VDS 4.5, VDS-4*; Scania LDF-4; Iveco 18-1804 Class TLS E6 *meets the requirements of
Shell Rimula R6 LME 5W-30	- Emission system compatibility - Maintenance saving - Fuel economy	- On-highway trucks and buses - Euro VI engines and backward compatibility	- Synthetic technology - Low SAPS - Dynamic Protection Plus	ACEA E6, E7; Cummins CES 20077; Deutz DQC IV-10 LA; Iveco TLS E6 – meets the requirements; Mack EO-N; MAN M3477*, M3271-1*; DTFR 15C110; MTU Category 3.1; Renault Trucks RLD-2; Scania Low Ash; Volvo VDS-3 *meets the requirements of
Shell Rimula R6 LM 10W-40	- Emission system compatibility - Maintenance saving	- On/off-highway - Euro VI engines and backward compatibility - Excellent biodiesel compatibility - Suitable for natural gas fuelled engines	- Synthetic technology - Low SAPS - Dynamic Protection Plus	ACEA E6, E7, E8, E9, E11; API CK-4, CJ-4, CI-4, CH-4; Caterpillar ECF-3; Cummins CES 20086, 20081; DAF meets ACEA E6; Liebherr LH-00ENG LA-22 Standard; Deutz DQC IV-18 LA; Detroit Fluid Specification 93K222, 93K2; Iveco NG2 (meets requirements); JASO DH-2; Mack EO-S 4.5, EO-O Premium Plus; MAN M3477*, M3271-1*; DTFR 15C110; MTU Category 3.1; Renault Trucks RLD-3; Volvo VDS-4.5, VDS-4* *meets the requirements of



Find the right lubricant every time

Product	Benefits	Applications	Technology	Specifications and approvals
Shell Rimula R5 LE 10W-40/10W-30	- Emission system compatibility - Fuel economy	- On/off-highway - Euro VI engines and backward compatibility	- Synthetic technology - Low SAPS - Dynamic Protection Plus	API CK-4, CO-4, CI-4 Plus, CI-4, CH-4, SN; ACEA E7, E9, E11; JASO DH-2; Caterpillar ECF-3, ECF-2; Cummins CES 20086, CES 20081; Deutz DQC 111-10 LA; Detroit Fluids Specification 93K222, 93K218; MAN M 3775; DTFR 15C100; MTU Category 2.1; MACK EO-S 4.5, EO-O Premium Plus; Renault VI RLD-3; Volvo VDS 4.5, VDS-4*; Iveco 18-1804 Class TLS CK4, Class TLS E9; Ford WSS-M2C171-F1; CNH MAT 3521 (meets specification) *meets the requirements of
Shell Rimula R4 L 15W-40	- Emission system compatibility - Improved protection for on/off-highway	- Emission system compatibility - Improved protection for on/off-highway - Euro VI engines and backward compatibility	- Mineral oil - Low SAPS - Dynamic Protection	API CK-4, CJ-4; ACEA E7, E9, E11; Iveco TLS E9 – meets the requirements; MAN M 3775; DTFR 15C100; Volvo VDS-4.5, VDS-4* *meets the requirements of
Shell Rimula R4 X 15W-40	- Excellent engine protection (wear and corrosion) - Deposit and sludge control	- High power – on/off-highway - Euro V engines and older - Variable fuel qualities	- Mineral oil - High SAPS - Dynamic Protection	API CI-4, CH-4, SL; ACEA E7, E5, E3; Global DHD-I; Caterpillar ECF-2, ECF-1A; Cummins CES 20078, 77, 76, 75, 72, 71; Deutz DQC 111-18; Detroit Fluids Specification 93K215; Iveco TI – meets the requirements; JASO DH-I; MACK EO-N, EO-M Plus, EO-M; MAN M 3275-1*; DTFR 15B110; MTU Category 2; Renault Trucks RLD-2; Volvo VDS-3; Case New Holland MAT 3520 (meets specification) *meets the requirements of

Always consult the owner's manual about the required specification and viscosity grade of the engine oil.



Shell Rimula

product specifications

Product	ISO viscosity	ACEA	API	MAN	Daimler Truck	Iveco	Renault	Volvo
Shell Rimula R7 Plus AI	0W-20					18-1804 Class TLV LS		
Shell Rimula R7 Plus AD	0W-20				DTFR 15C140			
Shell Rimula R7 AX	5W-30		FA-4		DTFR 15C130		RLD-5	VDS-5
Shell Rimula R7 Plus AM	5W-20			M3977				
Shell Rimula Ultra	5W-30	E6/E7/E8/ E9/E11	CK-4	M3777	DTFR 15C110	TLS E6	RLD-3	VDS-4.5
Shell Rimula R6 LME Plus	5W-30	E6/E7/E8/ E9/E11	CK-4	M3677	DTFR 15C110 DTFR 15C120		RLD-3	VDS-4.5
Shell Rimula R6 LME	5W-30	E6/E7		M3477*	DTFR 15C110	TLS E6	RLD-2	VDS-3
Shell Rimula R6 LM	10W-40	E6/E7/E8/ E9/E11	CK-4	M3477*	DTFR 15C110	TLS NG2	RLD-3	VDS-4.5
Shell Rimula R5 LE	10W-40/ 10W-30	E7/E9/E11	CK-4	M3575	DTFR 15C100		RLD-4	VDS-4.5
Shell Rimula R4 L	15W-40	E7/E9/E11	CK-4	M3575	DTFR 15C100		RLD-4	VDS-4.5
Shell Rimula R4 X	15W-40	E5/E7	CI-4	M3275-1	DTFR 15B110	T1	RLD-2	VDS-3

*Meets the requirements of



Make your oil go further with our end-to-end lubricant tools and services

Shell LubeMatch

Find the perfect oil for your needs

A free online tool that provides instant lubricant recommendations for a wide variety of vehicles. Available in 138 countries and 21 languages, Shell LubeMatch is the most robust oil selector tool on the market.

go.shell.com/3NFx6S1

Shell LubeAnalyst

Monitor equipment without interrupting operations

A global oil and equipment monitoring service that helps customers: assess lubricant condition, identify potential problems and benchmark equipment performance against more than 760,000 global oil samples each year. go.shell.com/3LS1MOO

Shell LubeAdvisor

Prevent breakdowns and unscheduled maintenance

Shell Lube Advisors help you use the right Shell oil, at the right time, every time. By helping you on-site to improve the lubrication and maintenance practice of your equipment and vehicles, significant benefits can be achieved, increasing productivity, limiting downtime and providing you with a competitive advantage. go.shell.com/3yX19AC

References

¹Certas Energy. "Top HGV maintenance tips to reduce total cost per mile." CertasEnergy.co.uk.

²International Energy Agency (2020), CO₂ emission by sector, World 1990-2018; International Energy Agency (2020), CO₂ emission 1) industry, 2) transport and 3) heavy duty vehicles in sustainable development scenario 2000-2030; Deloitte Analysis.

³Bradbury, Brian Carpizo, Matt Gentzel, Drew Horah and Joël Thibert. "Digitally enabled reliability: Beyond predictive maintenance." McKinsey & Company. 4 October 2018.

⁴Relates to Shell Rimula Ultra. Compared to the revised, more stringent DTFR 15C110 limit as measured in the MB OM 646 LA Engine Test.

⁵Relates to Shell Rimula R6 LM. Shell Rimula R6 LM is proven to deliver 150,000-km ODIs. Exact ODIs will depend on vehicle type and application.

⁶Compared with a typical 10W-40 oil over a 100,000-km ODI.