

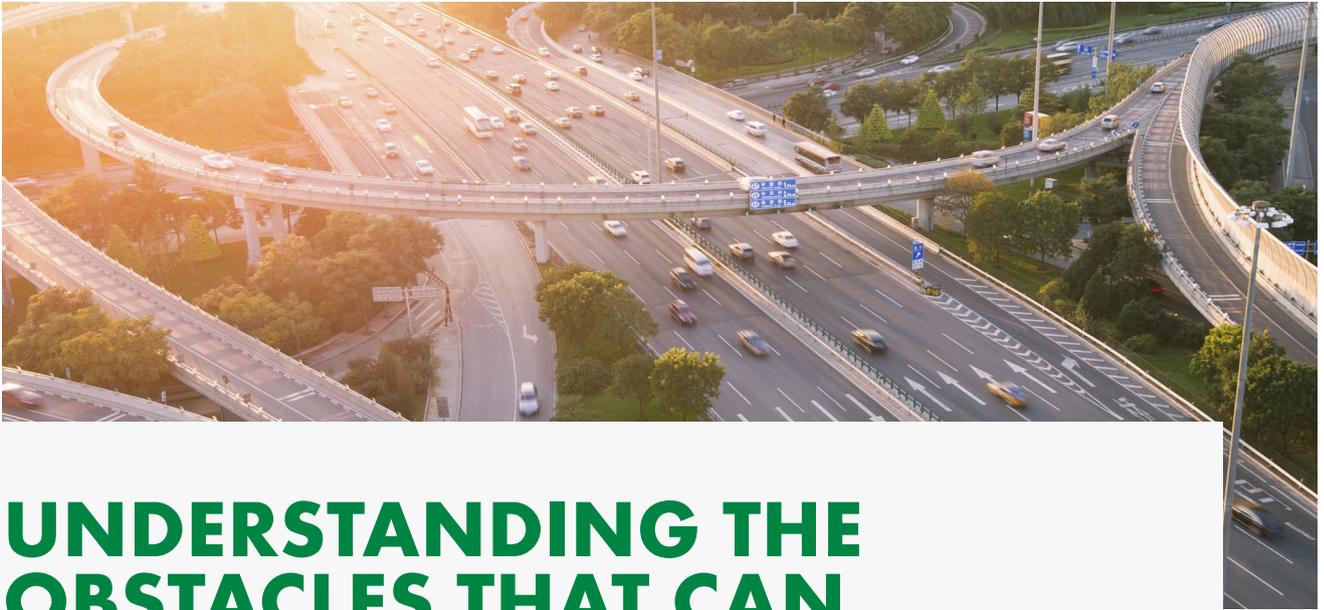


GO FURTHER WITH SHELL RIMULA

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

Find out more at:
[SHELL.COM/RIMULA](https://www.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 129,000km between ODIs.² While this figure sounds great in practice, it demands the right maintenance solutions 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.³



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 means 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.⁴
- **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 parcs 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.



SHELL RIMULA DELIVERS:

Up to **56%** better engine wear protection⁵

150,000KM oil drain intervals⁶

Up to **2%** in fuel savings⁷



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 oil drain intervals

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 to higher viscosities engine oils. Shell Rimula fuel economy lubricants are all Shell Rimula Ultra, Shell Rimula R7 and Shell Rimula R6 5W-30 products.

FIND THE RIGHT LUBRICANT EVERY TIME

PRODUCT	BENEFITS	APPLICATIONS	TECHNOLOGY	ISO VISCOSITY GRADES	SPECIFICATIONS AND APPROVALS
Shell Rimula R7 Plus AI	<ul style="list-style-type: none"> ■ Maximum Fuel Economy for On Highway ■ Emission System Compatibility ■ Maintenance Saving 	<ul style="list-style-type: none"> ■ On Highway Trucks ■ Latest Euro VI engines ■ No backward compatibility 	<ul style="list-style-type: none"> ■ Synthetic technology ■ Low SAPS ■ Dynamic protection plus 	0W-20	Iveco 18-1804 Class TIV LS
Shell Rimula R7 Plus AD	<ul style="list-style-type: none"> ■ Maximum Fuel Economy for On Highway ■ Emission System Compatibility ■ Maintenance Saving 	<ul style="list-style-type: none"> ■ On Highway Trucks ■ Latest Euro VI engines ■ No backward compatibility 	<ul style="list-style-type: none"> ■ Synthetic technology ■ Low SAPS ■ Dynamic protection plus 	0W-20	MB Truck MB 228.71
Shell Rimula R7 AD	<ul style="list-style-type: none"> ■ Enhanced Fuel Economy ■ Emission System Compatibility ■ Maintenance Saving 	<ul style="list-style-type: none"> ■ On Highway Trucks ■ Latest Euro VI engines ■ No backward compatibility 	<ul style="list-style-type: none"> ■ Synthetic technology ■ Low SAPS ■ Dynamic protection plus 	5W-30	API FA-4/SN, MB Truck MB228.61, Cummins CES 20087, Detroit Fluids Specification DFS 93K223
Shell Rimula R7 Plus AM	<ul style="list-style-type: none"> ■ Enhanced Fuel Economy ■ Emission System Compatibility ■ Maintenance Saving 	<ul style="list-style-type: none"> ■ On Highway Trucks ■ Latest Euro VI engines, ■ No backward compatibility 	<ul style="list-style-type: none"> ■ Synthetic technology ■ Low SAPS ■ Dynamic protection plus 	5W-20	MAN M3977, Scania LDF-5
Shell Rimula Ultra	<ul style="list-style-type: none"> ■ Emission System Compatibility ■ Maintenance Saving ■ Fuel Economy 	<ul style="list-style-type: none"> ■ On Highway Trucks and Busses ■ Euro VI engines and backward compatibility ■ Excellent Bio Diesel compatibility 	<ul style="list-style-type: none"> ■ Synthetic technology ■ Low SAPS ■ Dynamic protection plus 	5W-30	ACEA E6/E7/E9, API CJ-4/CF, Jaso DH-2, Iveco TLS E6, MB Truck MB228.51, MAN M 3677/3477, Volvo VDS-4, Renault Trucks RLD-3, Caterpillar ECF-3, Cummins CES 20081, Deutz DQC IV-10 LA, Mack EO-O Premium Plus, MTU Typ 3.1, Scania LDF-4

FIND THE RIGHT LUBRICANT EVERY TIME

PRODUCT	BENEFITS	APPLICATIONS	TECHNOLOGY	ISO VISCOSITY GRADES	SPECIFICATIONS AND APPROVALS
Shell Rimula R6 LME Plus	<ul style="list-style-type: none"> ■ Emission System Compatibility ■ Maintenance Saving ■ Fuel Economy 	<ul style="list-style-type: none"> ■ On Highway Trucks and Busses ■ Extended Diesel Particulate Filter compatibility ■ Euro VI engines and backward compatibility ■ Excellent Bio Diesel compatibility 	<ul style="list-style-type: none"> ■ Synthetic technology ■ Low SAPS ■ Dynamic protection plus 	5W-30	ACEA E6/E7/E9, API CK-4/SN, Cummins CES 20081/20086, Mack EO-O Premium Plus/EO-S 4.5, Caterpillar ECF-3, MTU Typ 3.1, MAN M 3677/ M 3477, MB 228.51/228.52, Renault Trucks RLD-3, Volvo VDS-4.5/VDS-4, Deutz DQC IV-18 LA, Jaso DH-2, Scania LDF-4
Shell Rimula R6 LME	<ul style="list-style-type: none"> ■ Emission System Compatibility ■ Maintenance Saving ■ Fuel Economy 	<ul style="list-style-type: none"> ■ On Highway Trucks and Busses ■ Euro VI engines and backward compatibility 	<ul style="list-style-type: none"> ■ Synthetic technology ■ Low SAPS ■ Dynamic protection plus 	5W-30	ACEA E6/E7, Iveco TLS E6, Cummins CES 20077, Mack EO-N, MTU Typ 3.1, MAN M 3477/M 3271-1, MB228.51, Renault Trucks RLD-2, Volvo VDS-3, Deutz DQC IV-10 LA
Shell Rimula R6 LM	<ul style="list-style-type: none"> ■ Emission System Compatibility ■ Maintenance Saving 	<ul style="list-style-type: none"> ■ On/Off Highway ■ Euro VI engines and backward compatibility ■ Excellent Bio Diesel compatibility ■ Suitable for Natural Gas fuelled engines 	<ul style="list-style-type: none"> ■ Synthetic technology ■ Low SAPS ■ Dynamic protection plus 	10W-40	ACEA E6/E7/E9, API CJ-4/CK-4, Caterpillar ECF-2/ECF-3, Cummins CES 20081/20086, DAF ACEA E6, Detroit Diesel 93K218/93K222, Deutz DQC IV-18 LA, Iveco TLS NG2, Mack EO-O Premium Plus/EO-S 4.5, MTU Typ 3.1, MAN M 3477/M 3271-1, MB228.51, Renault Trucks RLD-3, Volvo VDS-4.5/VDS-4, Jaso DH-2



FIND THE RIGHT LUBRICANT EVERY TIME

PRODUCT	BENEFITS	APPLICATIONS	TECHNOLOGY	ISO VISCOSITY GRADES	SPECIFICATIONS AND APPROVALS
Shell Rimula R5 LE	<ul style="list-style-type: none"> ■ Emission System Compatibility ■ Fuel Economy 	<ul style="list-style-type: none"> ■ On/Off Highway ■ Euro VI engines and backward compatibility 	<ul style="list-style-type: none"> ■ Synthetic technology ■ Low SAPS ■ Dynamic protection plus 	10W-40 / 10W-30	ACEA E9/E7, API CK-4, Jaso DH-2, Volvo VDS-4.5/VDS-4, Mack EOS-4.5/ EO-O Premium Plus, MB-Approval 228.31, MAN M 3575, MTU Typ 2.1, Caterpillar ECF-3/ECF-2, Cummins CES 20081/20086, Renault VI RLD-4/RLD-3, Deutz DQC III-10 LA and DDC 93K218/93K222
Shell Rimula R4 L	<ul style="list-style-type: none"> ■ Emission System Compatibility ■ Improved protection for On/Off Highway 	<ul style="list-style-type: none"> ■ Emission System Compatibility ■ Improved protection for On/Off Highway ■ Euro VI engines and backward compatibility 	<ul style="list-style-type: none"> ■ Mineral oil ■ Low SAPS ■ Dynamic protection 	15W-40	ACEA E9/E7, API CK-4, MB 228.31, Volvo VDS-4,5/VDS-4, Cummins CES 20081/20086, Deutz DQC III-10 LA, MAN M3575, MTU Category 2.1, Mack EOS-4,5/EO-O Premium Plus, Renault RLD-3/RLD-4, Allison TES 439 and DDC 93K218/93K222
Shell Rimula R4 X	<ul style="list-style-type: none"> ■ Excellent Engine Protection (Wear and Corrosion) ■ Deposit and Sludge Control 	<ul style="list-style-type: none"> ■ High Power - On/Off Highway ■ Euro V engines and older ■ Variable fuel qualities 	<ul style="list-style-type: none"> ■ Mineral oil ■ High SAPS ■ Dynamic Protection 	15W-40	ACEA E7/E5/E3, API CI-4/CF/SL, Jaso DH-1, Global DHD-1 and Iveco T1, Caterpillar ECF-1-A/ECF-2, Cummins CES 20078/20077/20076/20075/20072/20071, DDC 93K215, Deutz DQC III-10, Mack EO-M/EO-M Plus, MAN M 3275-1, MB-Approval 228.3, MTU Typ 2, Renault Trucks RLD-2, Volvo VDS-3

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

SHELL RIMULA PRODUCT SPECIFICATIONS

PRODUCT	ACEA	API	MAN	MB TRUCK	IVECO	RENAULT	VOLVO
Shell Rimula R7 Plus AI					18-1804 Class TLV LS		
Shell Rimula R7 Plus AD				MB228.71			
Shell Rimula R7 AD		FA-4		MB228.61			
Shell Rimula R7 Plus AM			M3977				
Shell Rimula Ultra	E6/E7/E9	CJ-4	M3677	228.51	TLS E6	RLD-3	VDS-4
Shell Rimula R6 LME Plus	E6/E7/E9	CK-4	M3677	228.51 228.52		RLD-3	VDS-4.5
Shell Rimula R6 LME	E6/E7		M3477	228.51		RLD-2	VDS-3
Shell Rimula R6 LM	E6/E7/E9	CK-4	M3477	228.51	TLS NG2	RLD-3	VDS-4.5
Shell Rimula R5 LE	E7/E9	CK-4	M3575	228.31		RLD-4	VDS-4.5
Shell Rimula R4 L	E7/E9	CK-4	M3575	228.31		RLD-4	VDS-4.5
Shell Rimula R4 X	E7/E9	CI-4	M3275-1	228.3	T1	RLD-2	VDS-3



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/3LSIMOO

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

- ¹ Certas Energy. "[Top HGV Maintenance Tips to Reduce Total Cost per Mile.](#)" CertasEnergy.co.uk
- ² Ismail Bagci and Chris Alley. "[Four keys to a successful extended drain interval program.](#)" Fleet Maintenance. March 03, 2020.
- ³ International 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.
- ⁴ Bradbury, Brian Carpizo, Matt Gentzel, Drew Horah and Joël Thibert. "[Digitally enabled reliability: Beyond predictive maintenance.](#)" McKinsey & Company. October 04, 2018.
- ⁵ Relates to Shell Rimula Ultra. Compared to the revised, more stringent MB 228.51 limit as measured in the MB OM 646 LA Engine Test.
- ⁶ Relates to Shell Rimula R6 LM. Shell Rimula R6 LM is proven to deliver 150,000km oil drain intervals. Exact oil drain intervals will depend on vehicle type and application.
- ⁷ Compared with a typical 10W-40 oil over a 100,000-km oil-drain interval.