

SHELL RIMULA R4 X



- Triple protection
- Suitable for engines with exhaust gas recirculation



YOU NEED THE ENGINES OF YOUR TRUCKS AND PASSENGER TRANSPORT VEHICLES TO WORK RELIABLY AND EFFICIENTLY, WHETHER IN LONG-HAUL OPERATIONS OR THE SEVERE START-STOP DRIVING CONDITIONS OF SHORT-HAUL OPERATIONS. WHEN YOUR ENGINE OIL IS DESIGNED TO MEET THESE CHALLENGES, IT CAN HELP YOU TO

- extend oil-drain intervals
- cut maintenance costs.

HIGH PERFORMANCE

Shell Rimula R4 X is designed to provide **triple protection**. It can help in the critical areas of deposit, acid corrosion and wear control for improved engine and oil durability.

Up to 50% better engine cleanliness¹

- Up to 50% more cleanliness control, i.e., less engine sludge, in different parts of the engine has been demonstrated in key engine tests for meeting US and European specifications.

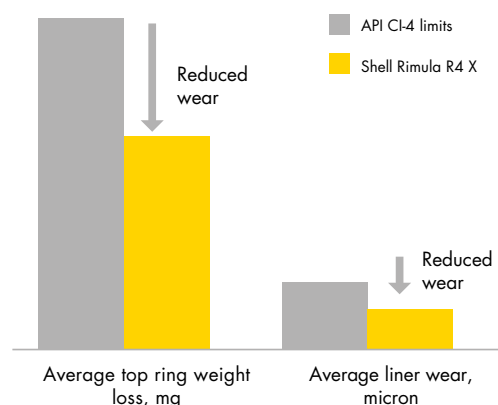
Up to 50% better acid corrosion protection¹

- Shell Rimula R4 X is proven to give up to 50% more protection in engine and laboratory tests and field trials under real-world truck driving conditions.

Up to 30% better wear protection¹

- In the Mack T-10 engine test, Shell Rimula R4 X demonstrated up to 30% better wear protection of engine piston rings and cylinder liners than required to meet the API CI-4 specification.

Up to 30% improvement in wear protection – piston ring and cylinder liner wear in Mack T-10 test



RELATIVE PROTECTION

	Acid/corrosion	Dirt and deposits	Wear
Shell Rimula R5 E	✓✓✓ ^{1/2}	✓✓✓	✓✓✓
Shell Rimula R4 X	✓✓	✓✓✓	✓✓ ^{1/2}
Shell Rimula R3 Turbo	✓✓	✓✓	✓✓

Performance is a relative indication only

¹Relative to API and ACEA engine oil specification limits in a key engine test selected to be representative across multiple engines



THE VALUE TO YOU

Because Shell Rimula R4 X helps to control deposits, acid corrosion and wear, it can help to increase engine life and reduce maintenance costs – to provide you with increased revenue.



DYNAMIC PROTECTION

Shell Rimula R4 X is formulated with Shell's innovative Dynamic Protection technology, which features an advanced additive system that adapts to your engine's specific requirements. This helps to provide protection in three key areas:

- **acid and corrosion control:** It protects against corrosion by controlling the acids formed as the fuel burns.¹
- **wear control:** It maintains strongly protective oil films to keep critical engine components working.¹
- **deposit control:** It resists high-temperature oxidation, thereby keeping engines clean from deposits.¹



REAL-WORLD VALUE

Construction company Oman Gulf Company LLC wanted to increase equipment oil-drain intervals and reduce equipment downtime. Since switching to Shell Rimula R4 X 15W-40, Oman Gulf Company has **extended the oil-drain interval of its equipment by 60%, from 250 to 400 hours**, and benefited from **increased equipment availability, reduced consumption of lubricant and spare parts**, and lower maintenance costs with **total annual savings reported of US\$270,000.**²

²The savings indicated were recorded in October 2013 in Oman. These savings may vary from site to site and from time to time, depending on, for example, the operating conditions, the current products being used, the condition of the equipment and the maintenance practices.



EXCELLENT PROTECTION FOR ENGINES WITH EGR

Exhaust gas recirculation (EGR) introduces some exhaust gas into the inlet air charge to reduce peak combustion temperatures, which lowers nitrogen oxide emissions. The exhaust gases contain acids and soot particles that can have a detrimental effect on oil performance in terms of corrosion- and soot-induced wear. EGR also leads to higher oil temperatures, which stress the oil further.

Shell Rimula R4 X has been designed to lubricate in the performance-demanding environment of engines with EGR. It is suitable for all pre-US 2007 engines, most Euro 4 and 5 engines (without diesel particulate filters), and earlier engine types.

SHELL RIMULA R4 X – SUITABLE FOR



SPECIFICATIONS AND APPROVALS

SAE viscosity grade: 15W-40

ACEA: E3, E5 and E7; API: CF, CF-4, CG-4, CH-4, CI-4 and SL; Caterpillar: ECF-1-A and ECF-2; Cummins: CES 20071, 72, 75, 76 and 77; DDC: 93K215; DEUTZ: DQC III-10; Iveco: T1 (meets requirements); Global: DHD-1; JASO: DH-1; MACK: EOM and EOM+; MAN: M3275-1; MB Approval 228.3; MTU: Category 2; Renault Trucks: RLD-2; and Volvo: VDS-3

ALSO AVAILABLE

Shell Spirax gear and axle oils

Shell Spirax transmission fluids

Shell Gadus greases

For more information, please contact

Two empty rectangular boxes for contact information, one above the other.

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