



# SCOTT'S TRANSPORT EXTENDS OIL-DRAIN INTERVAL WITH SHELL RIMULA R4 L 15W-40

TOTAL REPORTED ANNUAL CUSTOMER SAVING

## USD \$510,420

(AUD \$488,516\*)



**COMPANY:** Scott's Transport

**COUNTRY:** Australia

**APPLICATION:** Long and Short Haul Truck Fleet

**SAVING:** USD \$510,420  
(AUD \$488,516\*)

**KEY EDGE:** Shell Rimula R4 L 15W-40

**Scott's Transport is one of Australia's largest privately owned transport and logistical operations. It operates more than 300 trucks covering a range of truck manufacturers. The company wanted to extend its vehicles' oil-drain intervals (ODI) to reduce maintenance costs without compromising reliability. They also needed one engine oil that was approved for use across their mixed fleet.**

Shell suggested that Scott's Transport switch to Shell Rimula R4 L 15W-40, an advanced low-ash, high-quality heavy-duty diesel engine oil. A trial was conducted using 13 trucks from their fleet in South Australia. The selected trucks were a representation of the fleet – a mixture of highway and local freight trucks that included Single, B Double's and Triple Road Trains, with the following engines: - Cummins Signature 500 - Cummins N14 - Cummins M11 - Detroit Diesel S60 - Caterpillar C15. The site was also supplied with a Shell Lube Express Machine enabling quick, clean and environmentally safe oil changes. A further advantage of this machine is that it takes consistent and accurate hot oil samples ensuring any data analysed is accurate, reliable and repeatable.

As a result of switching to Shell Rimula R4 L Scott's Transport have been able to increase ODI from 20,000 km to 30,000 km while maintaining wear within acceptable limits. This has enabled the company to reduce oil drains per year from 11 to 7 per truck resulting in lower lubrication and maintenance costs. The company reports annual savings of USD \$510,420.

\* Based on the exchange rate as of 26/03/2012



# 1

## CHALLENGE

Scott's Transport have a mixed fleet of trucks that perform on and off highway and local traffic freight transportation. They wanted to extend their vehicles' oil-drain intervals to reduce vehicle maintenance costs without compromising reliability. They also needed an engine oil that was approved for use by many global original equipment manufacturers.

# 2

## SOLUTION

Shell conducted a trial of Shell Rimula R4 L on a mix of 13 of Scott's Transport trucks that perform varied duties. The Shell LubeAnalyst oil condition monitoring service was used to monitor the condition of engine components and to optimise lubricant life.

# 3

## OUTCOME

By using Shell Rimula R4 L in the test fleet Scott's Transport have been able to increase ODI from 20,000 km to 30,000 km while maintaining wear within acceptable limits. This resulted in cost savings from reduced lubricant usage and less maintenance downtime.

# 4

## VALUE

Scott's Transport predict the increased ODI to 30,000 km will result in lubricant and maintenance cost savings of USD \$510,420<sup>1</sup> per annum across their fleet. The change also results in increased operating availability of their fleet.

<sup>1</sup>The savings indicated are specific to the calculation date and mentioned site. These calculations may vary from site to site and from time to time, depending on, for example, the application, the operating conditions, the current products being used, the condition of the equipment and the maintenance practices.



## SHELL RIMULA R4 L

### MULTI-GRADE HEAVY-DUTY DIESEL ENGINE OIL

Shell Rimula R4 L uses the latest generation technology to deliver significantly improved resistance to wear, deposits and oxidation compared to previous generation oils.



### APPLICATIONS

Shell Rimula R4 L is suitable for virtually all on-highway truck, bus and coach applications including US 2007, Euro 2, 3, 4 and 5 applications. The exceptionally wide range of vehicle maker approvals allow Shell Rimula R4 L to provide a single-oil lubrication solution for fleets with mixed vehicle makes, providing logistical and inventory benefits.

### PERFORMANCE FEATURES

#### SIMPLIFY INVENTORY NEEDS

- Shell Rimula R4 L is approved by a wide range of leading OEMs, simplifying inventory needs for fleets with a mixture of engine makes.

#### EMISSIONS SYSTEM COMPATIBILITY

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

#### LOWER OPERATING COSTS

- Shell Rimula R4 L is formulated with an enhanced acid-control system to help fleet operators to achieve maximum drain flexibility.

#### OUTSTANDING WEAR PROTECTION

- Demonstrated over millions of kilometers of customer service, Shell Rimula R4 L provides significantly higher levels of wear protection than previous generation oils to prolong engine efficiency and life.

### SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

Shell Rimula R4 L meets the requirements of leading agricultural and construction equipment/engine makers such as Caterpillar, Cummins, Deutz and MTU.

- API: CJ-4, CI-4+, CH-4, CG-4, CF-4, CF
- ACEA: E9, E7
- Caterpillar: ECF-2, ECF-3
- Cummins: CES 20081, 77, 72, 71
- DDC: 93K218
- Deutz: DQC III-05
- IVECO: T2 E7
- MACK: EO-O Premium Plus
- MAN: M3275
- MB Approval: 228.31
- MTU: Category 2
- Renault Trucks: RLD-3
- Scania: LDF-LA
- JASO: DH-2
- Volvo: VDS-4, VDS-3.

#### MEETS THE SPECIFICATION FOR:

- IVECO: T2 E7 (1).

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"Shell Lubricants" refers to the various Shell companies engaged in the lubricants business.