



# EXTENDING OIL-DRAIN INTERVALS BY UP TO 180% BY UPGRADING TO THE FULLY SYNTHETIC SHELL RIMULA R6 M\*

TOTAL REPORTED ANNUAL CUSTOMER SAVING  
**US\$1,247,758**



**COMPANY:** Dragasur C.A.

**COUNTRY:** Venezuela

**APPLICATION:** Heavy-duty diesel engines

**SAVING:** US\$1,247,758 total reported annual customer saving

**KEY EDGE:** Shell Rimula R6 M\* 10W-40, Shell LubeCoach

**Venezuelan company Dragasur C.A. is an internationally renowned business that provides construction engineering and services. In its highway construction and maintenance division, the company operates heavy-duty equipment such as trucks and cutter-suction dredgers. Dragasur wanted to reduce its operating costs and worked with Shell to obtain a lubrication solution.**

The Shell technical team recommended an upgrade to Shell Rimula R6 M\*, a fully synthetic heavy-duty diesel engine oil that offers durability and long oil life. The Shell offer also included training, as part of the Shell LubeCoach service, focused on maintenance practices to reduce operational costs and help increase the profitability of the business.

By changing to Shell Rimula R6 M\*, the company extended its oil-drain intervals (ODI) by 180% to 700 hours. The extended drain period has resulted in reduced lubricant consumption and maintenance costs, with a reported annual saving of US\$1,247,758. Dragasur has also increased the availability and reliability of its units, and its staff are now better trained in maintenance practices.



TEG00086

# 1

## CHALLENGE

Dragasur sought to reduce operating costs by improving maintenance practices for its heavy-duty trucks and cutter-suction dredgers

# 2

## SOLUTION

Shell technical experts recommended changing to Shell Rimula R6 M\*, a fully synthetic heavy-duty diesel engine oil that offers durability and long oil life, and using the Shell LubeCoach lubrication training programme to train staff in maintenance

# 3

## OUTCOME

By changing to Shell Rimula R6 M\*, the company has obtained several operational benefits

- extended ODIs by 180%, from 250 hours to 700 hours
- increased availability and reliability of its units
- improved maintenance practices

# 4

## VALUE

The extended ODI has resulted in reduced lubricant consumption and maintenance costs, with significant reported savings of US\$1,247,758 per annum

\*The savings indicated are specific to the calculation date and mentioned site. These calculations may vary from site to site depending on application, operating conditions, current products being used, condition of the equipment and maintenance practices.



## SHELL RIMULA R6 M

SYNTHETIC-TECHNOLOGY, HEAVY-DUTY DIESEL ENGINE OILS

Shell Rimula R6 M oils use synthetic-technology base oils and an advanced additive system to deliver excellent protection against wear and deposits in a wide variety of modern, high-powered engine types. Shell Rimula R6 M 10W-40 can also help to improve fuel economy compared with conventional SAE 15W-40 oils.



Recommended by a wide range of original equipment manufacturers, Shell Rimula R6 M is a single oil solution for many fleets operating mixed vehicle makes and engine technologies, including Euro 2 and 3 engines, and some Euro 4 engines.

### Applications

Shell Rimula R6 M is suitable for

- on-highway applications. It is particularly suited for a wide range of trucking and transportation applications in vehicles using modern low-emission engines from Mercedes-Benz and MAN. Shell Rimula R6 M also meets or exceeds the performance requirements of other European makers such as Volvo, Renault, DAF, Scania and Iveco, and of Cummins, Mack and many Japanese engines. It is not recommended for Caterpillar engines.

### Performance features and benefits

- Simplifies inventory needs. Shell Rimula R6 M is approved by a wide range of leading original equipment manufacturers, and simplifies inventory needs for fleets with a mixture of engine makes.
- Lower operating costs. Shell Rimula R6 M is formulated with an enhanced acid-control system to help fleet operators to achieve maximum ODI flexibility.
- Outstanding wear protection. As demonstrated in millions of kilometres of customer service, Shell Rimula R6 M provides significantly higher levels of wear protection than previous-generation oils to prolong engine efficiency and life.

### Specifications and approvals

ACEA: E7, E4; API: CF; Cummins: CES 20072; DEUTZ: DQC IV-05; Mack: EO-M+; MAN: M3277; MB Approval: 228.5; MTU: Category 3; Renault trucks: RXD; Scania: LDF-2; Volvo: VDS-3

### Complementary products

Equipment	Lubricants
Diesel engine oils	Shell Rimula
Transmission, axle and gear oils	Shell Spirax
Greases	Shell Gadus