



# Shell Lubricants

FLEET

150% extension in oil drain intervals when upgrading to Shell Rimula R2 Extra\*

Total reported annual customer saving

**US\$334,840**



*The Egyptian International Company owns and operates a fleet of 110 trucks.*

**The customer was looking to reduce the frequency its trucks had to return back to the maintenance shop as this was directly affecting its operation. Due to the company's long-haul schedules, it needed to significantly increase oil drain intervals of 2,000 km. The customer turned to Shell for a solution.**

**Company:** Egyptian International Company

**Country:** Egypt

**Application:** Heavy-duty diesel engine

**Saving:** US\$334,840 total reported annual customer saving

**Key edges:** Shell Rimula R2 Extra\* 20W-50, Shell Lube**Analyst**

Shell recommended upgrading to Shell Rimula R2 Extra\* together with regular oil condition monitoring using Shell Lube**Analyst**. As a result of the Shell recommendation, oil drain intervals were safely extended by 150%, to 5,000 km. In addition to substantial savings due to reduced oil and filter replacement costs, reported total operational savings were US\$334,840 per year.

PTH0025

\* Shell Rimula R2 Extra is the new name for the Shell lubricant formerly known as Shell Rimula D Extra

DESIGNED TO MEET CHALLENGES



## 1 The Challenge:

Egyptian International Company needed a lubricant that would help them reduce maintenance of their trucks in order to increase productivity and reduce costs. The Shell challenge was to provide the customer with a lubricant that could safely extend oil drain intervals while providing a high level of wear protection to engines operating with heavy loads, in extreme temperatures and over long distances. This market experiences short oil drain intervals due to the high sulphur diesel fuel (1%).

## 3 The Outcome:

Results from tests using the Shell LubeAnalyst tool demonstrated that upgrading to Shell Rimula R2 Extra\* helped the customer to significantly increase oil drain intervals, while providing high levels of engine protection. This led to various operational benefits:

- Extension of oil drain intervals by 150% (to 5,000 km)
- Reduction in maintenance costs
- Decrease in lubrication costs
- Increase in productivity

Extended oil drain intervals meant trucks could operate at longer distances with fewer maintenance interventions, helping to increase productivity for this customer.

## 2 The Solution:

The Shell Technical Team provided the customer with a comprehensive lubrication solution. Shell recommended upgrading to Shell Rimula R2 Extra\* Energised Protection oils that use proven combinations of additives that adapt to the engine, providing protection against acids, deposits and wear. In addition, Shell recommended the use of Shell LubeAnalyst, an oil condition-monitoring tool, to carry out on-going checks of the lubricant performance and degree of engine wear.

## 4 The Value:

As a total lubricant solutions provider, Shell was able to offer Egyptian International Company a rapid response, with accurate diagnosis, a premium product (Shell Rimula R2 Extra\*) and technical support using Shell LubeAnalyst. As a result of its recommendations, Shell helped the customer improve productivity, with long-term savings in maintenance and lubrication costs reported at US\$334,840 annually.

The savings indicated are specific to the calculation date and 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 R2 Extra\*

#### Multigrade heavy-duty diesel engine oils

Shell Rimula R2 Extra\* Energised Protection oils use proven combinations of additives that react to the varying needs of most heavy-duty applications including turbocharged engines. Each dedicated additive releases its protective energy when needed, to ensure reliable and consistent protection against deposits, wear and acids and to resist thickening by heat.

#### Performance features and benefits

- Provides additional protection against deposits needed for turbocharged and non-turbocharged heavy-duty diesel engines
- Contains up to 20% more active deposit control additives than more rudimentary oils such as those meeting API CF-4
- Approved by major engine manufacturers



#### Main applications

##### On-highway heavy-duty diesel engines

Shell Rimula R2 Extra\* is the ideal choice to provide protection and long engine life in a wide range of heavy-duty applications including turbocharged and non-turbocharged engines under normal operation.

Shell Rimula R2 Extra\* is suitable for heavy-duty bus and coach operations using older turbocharged engines and in high temperature operations. Approved by the major bus manufacturers such as Mercedes-Benz, MAN and Volvo.

##### Off-highway operations

Shell Rimula R2 Extra\* oils offer cost effective lubrication for use in a variety of off-highway applications such as construction and agricultural equipment.

#### Complementary products

Equipment	Lubricants
Diesel Engine Oils	Shell Rimula
Axle Oils	Shell Spirax A/AX
Gear Oils	Shell Spirax G/GX
ATFs	Shell Donax TA
Greases	Shell Retinax HD

\*Shell Rimula R2 Extra is the new name for the Shell lubricant formerly known as Shell Rimula D Extra

