



# MARINE LOGISTICS COMPANY EXTENDED OIL-DRAIN INTERVALS UP TO ~50% BY SWITCHING TO SHELL RIMULA R4 X

**COMPANY:** PT Momentum Indonesia Investama

**APPLICATION:** Main engines

**VESSEL:** Tugboats and barges

**KEY EDGE:** Shell Rimula R4 X and Shell LubeMonitor

UP TO

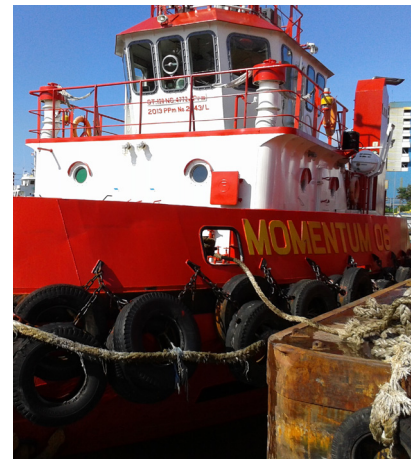
**~50%**

**EXTENSION IN OIL-DRAIN INTERVALS**

PT Momentum Indonesia Investama operates as a marine logistics company and has its own fleet of tugboats and barges for freight logistics. The company was incorporated in 2011 and is headquartered in Batam, Indonesia.

Its entire fleet was using a competitor's engine oil and had an oil-drain interval of 500 hours. The vessels' annual sailing days are approximately 300.

Shell Marine distributor PT Cahaya Samoedera Bersaudara, with Shell Marine, offered to run a trial with Shell Rimula R4 X 15W-40 and was confident of achieving an oil-drain interval of up to 1,000 hours.



# 1

## CHALLENGE

PT Momentum Indonesia Investama was looking to improve its operations and for opportunities to reduce costs, so turned to Shell for advice and to help in developing a solution.

# 2

## SOLUTION

Shell recommended running a trial on Shell Rimula R4 X 15W-40, which offers longer oil-drain intervals. To run the trial, Shell Marine distributor CSB needed to educate and train the vessel's crew on proper oil sampling procedures.

As the trial vessel operated on long-haul voyages, the challenge was to get the samples ashore and have a quick turnaround for the results. The oil's performance was verified by using Shell Marine's oil analysis service Shell LubeMonitor Plus and its technical expertise.

# 3

## OUTCOME

The oil-drain interval for the trial vessel was extended from the 500 to nearly 1,000 hours: almost 50%. The oil analysis showed that the oil remained within specifications. The engine continued to run smoothly and was generally cleaner.

# 4

## VALUE

PT Momentum Indonesia Investama has managed to extend its oil-drain interval and is thus operating a more effective fleet and, importantly, has achieved its objective of saving on lubrication costs. Through the longer oil-drain interval, the customer has estimated **that savings per year for 12 vessels will be approximately \$61,000.**<sup>1</sup>

<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 SERVICE

#### Shell LubeMonitor

A condition monitoring programme for two-stroke marine engine cylinders that includes access to Shell tools and advice to help you strike an acceptable balance between cylinder oil costs and wear-related cylinder maintenance expenses.

#### Shell Rapid Lubricants Analysis

A flexible used-oil laboratory analysis service designed to save you time and money on maintenance resulting from equipment failure. This early-warning system aims to give you peace of mind that your equipment and lubricants are in optimum working order.

#### Shell LubeAdvisor

This on-site support from a global team of field-based engineers includes lubrication surveys, vessel assessments, and in-depth technical and applications support when required. Back-up support is provided by telephone, fax or email.

### SHELL RIMULA R4 X

#### Shell RIMULA

The product purpose is to safeguarding high-speed, four-stroke engines from corrosive wear.

High-performance engine oil for highly rated high-speed diesel engines that meet the latest API and ACEA specifications.

- Suitable for engines burning distillate fuels with a sulphur content of up to 1.0 %wt.
- Outstanding engine cleanliness
- Superior wear control
- Excellent oxidation resistance

Contact your Shell Marine account manager to find out more or visit

[www.shell.com/marine](http://www.shell.com/marine).

