PT Pelayaran Kapuas Jaya Samudera (PT KJS) is a shipping company based in Jakarta, Indonesia. Established in 2004, the company currently operates 42 vessels, including several tugboats, barges that are used for transporting coal and unrefined palm oil, and container vessels. It is imperative to PT KJS to be a reliable shipping partner by deploying the best available technology.

PT KJS wanted to maximise engine oil performance in its vessels by increasing the engines’ oil-drain interval without compromising on oil performance and overall equipment protection.

Distributor PT Cahaya Samoedera Bersaudara (PT CSB), with support and guidance from Shell Marine, proposed that PT KJS should run a trial using Shell Rimula R4 X 15W-40 heavy-duty engine oil in a test vessel. PT CSB and Shell Marine were confident that the Energised Protection and superior quality of Shell Rimula R4 X15W-40 would meet PT KJS’s requirements.

The trial showed that the oil-drain interval could be doubled, from 500 hours using a competitor’s oil to 1,000 hours, by using Shell Rimula R4 X 15W-40 without compromising engine protection. The trial monitoring was supported by the Shell LubeAnalyst® oil analysis service.

As a result of changing to Shell Rimula R4 X 15W-40, PT KJS has reported potential annual savings of about US$4,900 per vessel through the longer oil-drain interval and consequent lower oil consumption.

Longer Oil-Drain Interval Saves the Company About US$4,900/Y¹ per Vessel

¹The savings indicated are specific to the calculation data and mentioned site.

Formerly known as Shell Rapid Lubricants Analysis
PT KJS wanted to maximise engine oil performance in its vessels by increasing the engines’ oil-drain interval without compromising on oil performance and overall equipment protection.

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As a result of changing to Shell Rimula R4 X 15W-40, PT KJS has reported potential annual savings of about US$4,900\(^1\) per vessel through the longer oil-drain interval and consequent lower oil consumption. PT KJS is set to save an estimated US$107,800\(^3\) a year across 22 vessels.

\(^1\)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 LubeAnalyst**

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

**Shell RIMULA**

The product purpose is to safeguard 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).

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