



EXTENDING AN OIL-DRAIN INTERVAL BY 67% WITH SHELL MARINE 40

COMPANY: PT Segara Luas Sukses Abadi

APPLICATION: Main engine

VESSEL: Ro-ro ferry

KEY EDGE: Shell Marine 40

LONGER OIL-DRAIN INTERVAL SAVES COMPANY ABOUT

US\$2,010

A YEAR PER VESSEL¹

¹The 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.

PT Segara Luas Sukses Abadi (PT Segara) is a shipping company based in Banyuwangi, Indonesia. It owns 40 vessels, including roll-on/roll-off (ro-ro) ferries, tugboats, landing craft and cargo vessels. The company hoped to reduce its operating costs and improve the efficiency of its fleet by extending the oil-drain interval of its vessels' engines.

Shell Marine, working with Indonesian distributor PT Mitraindo Marine Pratama (PT MMP), proposed a trial of Shell Marine 40 engine oil in one of PT Segara's ro-ro ferries. Designed for high-speed diesel engines, Shell Marine 40 reacts to an engine's needs by protecting against corrosion and wear throughout the oil-drain interval, thereby giving longer engine life. The oil's additive system helps to control piston deposits and maintain good standards of engine cleanliness, which helps to lower maintenance costs and increase vessel availability.

Oil analysis carried out after 1,228 hours showed that the Shell Marine 40 oil was still in optimum condition. Therefore, PT Segara found that it could safely extend the oil-drain interval of the ro-ro ferry by 67%: from 900 to 1,500 hours.



As a result of the longer oil-drain interval, PT Segara reports annual lubrication cost savings for the ro-ro ferry of US\$2,010.¹ This could amount to annual savings of about US\$80,400 for all 40 vessels in its fleet.¹

1

CHALLENGE

PT Segara Luas Sukses Abadi hoped to reduce its operating costs and improve its fleet's efficiency by extending the oil-drain interval of its vessels' engines.

2

SOLUTION

Shell Marine, working with distributor PT MMP, proposed a trial of Shell Marine 40 engine oil in one of the ro-ro ferries. The vessel has a high-speed diesel engine, so Shell Marine 40 was selected because it reacts to an engine's needs by protecting against corrosion and wear throughout the oil-drain interval thereby giving longer engine life.

3

OUTCOME

During the process, oil analysis was carried out after 1,228 hours showed that the Shell Marine 40 oil was still in optimum condition. At the end of the trial, PT Segara found that it could safely extend the oil-drain interval of the ro-ro ferry by 67%: from 900 to 1,500 hours.

4

VALUE

PT Segara reports **annual lubrication cost savings of US\$2,010 for the ro-ro ferry.**¹ This could amount to total **annual savings of about US\$80,400 for all 40 vessels in its fleet.**¹

¹The 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 service designed to monitor two- and four-stroke marine engine performance. It includes access to Shell tools and advice to help you strike and maintain an acceptable balance between oil costs and 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 MARINE 40

Shell Marine 40

Lubricants for high-speed diesel engine designed for fishing vessels and tug boats. Shell Marine 40 oil reacts to your engine's needs thereby giving it added protection and longer life, and helping to look after your investment and lower your operating costs.

