

# SHELL ARGINA S3 CUTS LUBRICANT CONSUMPTION AND MAINTENANCE COSTS OF OIL TANKER

TOTAL ANNUAL ESTIMATED CUSTOMER SAVING **US\$5775/Y<sup>1</sup>**

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**COMPANY:** Blue Ocean Intertrade Co., Ltd  
**LOCATION:** Bangkok, Thailand  
**APPLICATION:** Oil tanker main engines  
**KEY EDGE:** Shell Argina S3 40, Shell LubeAdvisor, Shell LubeAnalyst

TOTAL ANNUAL ESTIMATED CUSTOMER SAVING  
**US\$5775<sup>1</sup>**  
 PER YEAR

Shell Argina Shell LubeAnalyst  
 Shell LubeAdvisor

## CHALLENGE

In 2018, Blue Ocean Intertrade Co. Ltd's *Ocean Planner* oil tanker suffered damage to its main engine. The company had been incurring consistently high maintenance costs as they needed to replace damaged engine parts such as liners, rings, cylinders and bearings regularly. After analysis, the vessel was also found to be experiencing high lubricant consumption.

## SOLUTION

Thailand distributor Krissana Intertrade Co. Ltd., with support and guidance from Shell Marine, recommended switching to Shell Argina S3 40 in the *Ocean Planner* because the vessel uses marine fuel oil (maximum 3% sulphur content) and not diesel. During the changeover, Krissana also provided the Shell LubeAdvisor and Shell LubeAnalyst technical services to monitor the quality of the used oil samples and to help optimise maintenance.

## OUTCOME

By switching to Shell Argina S3 40 and utilising the technical services offered by Shell Marine, Blue Ocean Intertrade reduced the *Ocean Planner's* lubricant consumption from 11,900 to 7,700 l/y<sup>1</sup>. The correct lubricant is resulting in less parts damage and thus lower maintenance costs.



## VALUE

Blue Ocean Intertrade reports an estimated **annual cost saving of US\$5,775<sup>1</sup>** for the *Ocean Planner*.

<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.