



ENHANCING SUSTAINABILITY, PERFORMANCE AND EFFICIENCY THROUGH FLUID CHOICE

ENVIROLOGIC® CASE STUDY ON HÖEGH WALLEM SHIP MANAGEMENT

BACKGROUND

Höegh Wallem Ship Management (HWSM) was established in 2015 as a 50/50 joint venture between Höegh Autoliners and Wallem Ship Management. From its office in Singapore, HWSM performs the technical management of almost all Höegh Autoliners' owned vessels.

Höegh Autoliners is a leading global provider of transportation and logistics services within the Roll-on Roll-off (RoRo) segment. The Company operates 12 trade routes in global trade systems alone or in partnerships, with about 3,000 port calls annually, engaging approximately 50 vessels, whereof about 40 are operated by Höegh Wallem Ship Management.

“RSC BIO SOLUTIONS HAS BECOME A TRUSTED PARTNER IN OUR MISSION TO BE AN ENVIRONMENTAL AND BUSINESS LEADER. WE ARE VERY PLEASED WITH THEIR PRODUCTS AND WOULD RECOMMEND THEM TO ANYONE IN THE INDUSTRY WHO WANTS TO ENHANCE THEIR BOTTOM LINE IN A RESPONSIBLE MANNER.”

Höegh Autoliners are also engaged in regional trade directly or in joint ventures in Europe, East Asia and Caribbean, engaging another 18 vessels in 7 regional trade routes.

Wallem Ship Management provides a complete range of technical, commercial, procurement, crewing and safety services for most types of vessels. With 400 vessels of all types currently under management, including bulkers, tankers and container vessels, and a pool of 8,000 qualified seafarers worldwide, Wallem Ship Management is the

company of choice for the world's leading ship owners and operators.

CHALLENGE

Committed to empirical analysis and continuous improvement, Höegh noticed

some inconsistencies in fluid performance and some issues with leaks, which they attributed to the ester-based lubricants they were using in their stern tubes.

According to Jens Dellgren, senior technical superintendent at Höegh Wallem Ship Management,

“With a sustainability-driven company like Höegh, any leak is taken very seriously, as are any potential threats to fleet uptime and profitability that can result from more frequent fluid replacement and change-outs. We decided to act swiftly and definitively to nip any possible problems in the bud.”

SOLUTION

Höegh turned to AEGIR-Marine, a respected international provider of service and parts for stern tube seal and propulsion systems, for outside perspective on addressing these issues. AEGIR-Marine introduced Höegh to RSC Bio Solutions and its line of sustainable solutions. AEGIR-Marine’s engineers were very familiar with RSC Bio Solutions, having certified their products for use in the systems they service, and being aware of RSC Bio Solutions’ reputation for developing unique EAL formulations designed to stand up to tough conditions.

AEGIR-Marine shared that field experience and technical analyses prove that RSC Bio Solutions’ HEPR-based products offer the broadest compatibility with all major

rubber seal materials—eliminating leaks and resulting fluid change-outs and downtime. RSC Bio Solutions’ EnviroLogic® 3068 offers superior hydrolytic stability, thus not allowing formation of acid components that may cause seal failure.

Höegh first tried RSC Bio Solutions EnviroLogic® 3068 on just one of its vessels. Based on the fluid’s strong performance in difficult conditions, Höegh quickly began converting its affected fleet to EnviroLogic® 3068.

“After seeing the immediate positive impact of switching to EnviroLogic®, we began the conversion process for our fleet,” said Jens Dellgren.

ABOUT ENVIROLOGIC® 3068

EnviroLogic® 3068 is a high performance, readily biodegradable, synthetic ISO 68 grade hydraulic fluid. It is intended for severe service, extreme high temperature (250°F / 121°C), low temperature (-40°F / -40°C) and high pressure (5000+ psi) applications. It exhibits enhanced wear protection, cleanliness and longer life than conventional petroleum hydraulic oils. EnviroLogic® 3068 can directly replace petroleum based hydraulic fluids of the same viscosity, yet has reduced environmental impact in the event of a leak or spill, as it is readily biodegradable and non-sheening.

For more information about RSC Bio Solutions, visit us at rscbio.com or call +1 704.684.6100.



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