

Press Release

Hapag-Lloyd partners with Rovsing Dynamics for Condition Based Maintenance

Copenhagen, Denmark, May 13, 2008. *Top 5 shipping company Hapag-Lloyd chose bearing wear monitoring from Rovsing Dynamics for six new mega containerhips after tests on three vessels in service. The objective of the predictive maintenance solution is to save time, cost and manpower by avoiding open-up inspections.*

Hapag-Lloyd has been looking for systems to avoid the regular time consuming and costly open-up inspections. According to Hapag-Lloyd, "online condition monitoring provides a significant potential of saving cost plus reducing the risk and cost of open-up induced damages."

Six months ago Rovsing Dynamics installed an advanced OPENpredictor™ solution on three 4,000 TEU Hapag-Lloyd containerhips in service since 2002: Dublin Express, Glasgow Express and Liverpool Express. Besides online monitoring of the 9-cylinder Wärtsilä engines, the system also monitors the vessels' Napier turbochargers. It detects signs of bearing wear and other machinery faults in an early stage, and issues warnings with automatic fault identification (AutoDiagnosis™) and prediction of lead time to inspection.

Hapag-Lloyd has chosen bearing wear monitoring from Rovsing Dynamics because it enables the crew to plan corrective actions in due time, and because it is more flexible than other solutions. It offers many expansion options like monitoring of other machinery and integration of predictive maintenance information with other systems.

Following the successful field test, Hapag-Lloyd has now decided that each of the 12-cylinder MAN B&W main engines of their six new mega containerhips under construction are also to be equipped with OPENpredictor™ bearing wear monitoring.

The new 8,750 TEU containerhips will be identical to the recently named Kuala Lumpur Express. It is among the world's largest and holds Germanischer Lloyd's "Environmental passport", issued to environmental friendly new buildings with state-of-the art technology. Hapag-Lloyd was one of the first liner shipping companies to reduce the speed of its vessels, which significantly reduces fuel consumption and environmental impact. They were also the first to earn the classification society's newly introduced "GL Excellence – 5 stars award" for high standards of safety and security, environment and quality.

"We are proud that Hapag-Lloyd, one of the pioneers in shipping, once again chose a solution from us," says Rovsing Dynamics' CEO Thea Larsen. "As part of our close cooperation we support our customers' in implementing condition monitoring and getting approvals with the classification society. Both are preconditions of fulfilling the objective: to reduce risk and cost by avoiding open-up inspections and only conduct condition based maintenance."

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About Rovsing Dynamics

Rovsing Dynamics create value by increasing customers' revenue and profit as well as decreasing their risk. This is done by combining predictive operational information with dynamic business information for decision makers in the maritime, power generation and oil & gas industries, using a range of tools and monitoring solutions, typically based on the proprietary technology OPENpredictor™.

Solutions and services are offered worldwide from the head office in Copenhagen, Denmark, and sales office in the Netherlands as well as through partners in Europe, Russia, North and South America, the Middle East, China, Asia and Japan. www.rovsing-dynamics.com

About Hapag-Lloyd

Hapag-Lloyd belongs to the top five container transport carriers. It is represented with about 340 sales offices in over 100 countries. Its 77 liner services link ports on all five continents. The company's fleet comprises 141 containerships with a total capacity of 493,000 standard containers (TEU). In 2007, Hapag-Lloyd reported revenues of around €6.2 billion and transported approx. 5.5 million TEU worldwide. www.hapag-lloyd.com

Photos



Image caption

Hapag-Lloyd once again chose to install bearing wear monitoring from Rovsing Dynamics on six new containerships after having tested it on three vessels in service. Predictive maintenance information helps prevent damage and employ Condition Based Maintenance, saving time and money.

