



Press release

5 September, 2007

Joint diesel research project completed

Multinational team led by Wärtsilä and MAN Diesel successfully complete the major HERCULES cooperative research project into the technology necessary for higher-efficiency engines with ultra-low emissions for ships.

A team of more than 40 European engine component suppliers, equipment manufacturers, universities, research institutions and shipping companies, led by the major diesel engine groups MAN Diesel SE and Wärtsilä Corporation, has successfully completed the major 43-month cooperative research project under the name HERCULES (High Efficiency R&D on Combustion with Ultra-Low Emissions for Ships) with a budget of EUR 33 million, partly funded by the European Union (EUR 15 million) and the Swiss Federal Government (EUR 2.5 million).

The results from HERCULES will allow the participating companies to develop marine diesel engines with technologies, components and equipment that will achieve drastically lower gaseous and particulate emissions, while at the same time gaining increased engine efficiency and reliability, thereby reducing fuel consumption, CO₂ emissions and engine life-cycle costs. The results of the research are being shared among the participants and are expected to be incorporated in engines introduced during the next ten years or so.

The next step – HERCULES-B

MAN Diesel and Wärtsilä have proposed a follow-up to HERCULES in a new large-scale collaborative research project – HERCULES-B, which was announced in October 2006. A proposal was submitted to the European Commission within the “FP7 Cooperation Work Programme: Theme 7-Transport” in June 2007 and it is expected to be evaluated by the end of September 2007.

The principal aim of the proposed HERCULES-B based on the developed know-how and results of HERCULES, is to considerably improve the efficiency of marine diesel propulsion systems and achieve substantial reductions in fuel consumption and emissions. HERCULES-B is planned to reach beyond today’s limits set by the IMO, radically improving the environmental effect of waterborne transport.

More information about HERCULES at: www.ip-hercules.com

For more information please contact:

Mr. Klaus Heim, Vice President, Global Research & Development, Wärtsilä Corporation,
tel. +41 52 262 44 62, e-mail: klaus.heim@wartsila.com

Prof. Nikolaos P. Kyrtatos, coordinator, e-mail: npk@uleme.com

Dr. Thomas Knudsen, Senior Vice President Research & Development, MAN Diesel
A/S, e-mail: Thomas.Knudsen@dk.manbw.com

Notes to the editor:

About Wärtsilä Corporation

Wärtsilä enhances the business of its customers by providing them with complete lifecycle power solutions. When creating better and environmentally compatible technologies, Wärtsilä focuses on the marine and energy markets with products and solutions as well as services. Through innovative products and services, Wärtsilä sets out to be the most valued business partner of all its customers. This is achieved by the dedication of more than 15,000 professionals manning 130 Wärtsilä locations in close to 70 countries around the world.

www.wartsila.com

About MAN Diesel

MAN Diesel is the World's leading provider of large-bore diesel engines. The company designs two-stroke and four-stroke diesel engines, generating sets, turbochargers and CP propellers, for manufacture by MAN Diesel and its licensees. The engines have outputs ranging from 450 to 97,300 kW. MAN Diesel has approximately 6,400 employees, located in Germany, Denmark, the UK, France, the Czech Republic and China. The company's worldwide service organisation, MAN Diesel PrimeServ, consists of a network of own service centres, supported by authorised partners. MAN Diesel is a subsidiary of the German industrial group MAN AG, which is listed on the DAX stock index comprising the 30 largest companies in Germany.

www.mandiesel.com