



## **Type Approval Granted to Uprated MAN L51/60DF**

Dual-fuel engine can act as both main and auxiliary engine

Copenhagen,  
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MAN Diesel & Turbo's MAN L51/60DF engine successfully passed its Type Approval Test (TAT), which ran from October 17<sup>th</sup> to 20<sup>th</sup> at the company's Augsburg works in Germany, in front of the industry's main classification societies. The nine-cylinder test engine has an output of 1,150 kW/cylinder at a nominal speed of 500/514 rpm.

The MAN L51/60DF engine can be employed both as marine main-engine and auxiliary engine. Augsburg's testbed no. 20 hosted the test programme of a nine-cylinder version of the engine that ran on fuel oil (DMA) and natural gas.

The TAT tested the engine's:

- alarm and safety system
- dual-fuel safety concept, including a test of its pilot-fuel system
- gas supply system.

The TAT also successfully tested the integration of MAN Diesel & Turbo's proprietary SaCoS<sub>one</sub> engine control system with the engine.

Lex Nijssen, Head of Four-Stroke Marine, MAN Diesel & Turbo said: "The MAN L51/60DF, with its improved rated-output and new features such as gas-start capability, is a welcome addition to the ranks with the flexibility to act in a main or auxiliary capacity. Whether operating on fuel oil or gas, I'm certain its efficiency and high power output will be appreciated by the market."

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*The assembled participants at the MAN L51/60DF TAT in Augsburg with (front) Thomas Kremser, Head of Engine Test, MAN Diesel & Turbo, Augsburg*



*Lex Nijssen, Head of Four-Stroke Marine, MAN Diesel & Turbo*

**About MAN Diesel & Turbo**

MAN Diesel & Turbo SE, based in Augsburg, Germany, is the world's leading provider of large-bore diesel and gas engines and turbomachinery. The company employs around 15,000 staff at more than 100 international sites, primarily in Germany, Denmark, France, Switzerland, the Czech Republic, India and China. The company's product portfolio includes two-stroke and four-stroke engines for marine and stationary applications, turbochargers and propellers as well as gas and steam turbines, compressors and chemical reactors. The range of services and supplies is rounded off by complete solutions like ship propulsion systems, engine-based power plants and turbomachinery trains for the oil & gas as well as the process industries. Customers receive worldwide after-sales services marketed under the MAN PrimeServ brand.