



Italian Ro-Ro Operator Chooses Complete MAN Power Solution

Copenhagen

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Common-rail 32/44 engines central to RoRo propulsion package

Italian Visemar has placed an order with the Cantiere Navale Visentini yard, near Venice, for a RoRo ship. The vessel will be powered by a complete MAN propulsion package featuring 2 × 9L32/44CR medium-speed engines.

The 9L32/44CR engines each develop 5,040 kW at 750 rpm and are complemented by 2 × Renk RSV 900C gearboxes and 2 × Alpha CPP propellers. The engines fulfill IMO Tier II regulations and will be built at MAN Diesel & Turbo's Augsburg works in Germany from where they are scheduled for delivery in August 2013. The newbuilding is scheduled to follow in April 2014 and, having already been granted a 'green passport' and green star certification, will be one of the most efficient and environmentally friendly vessels in its class.

Best in class

Visemar wanted a ship that delivered the best efficiency and fuel consumption in its class, and accordingly decided upon an entire MAN Diesel & Turbo package. Sokrates Tolgos – MAN Diesel & Turbo – Head of Cruise & Ferry Sales said: "This MAN propulsion system with common-rail engines gives the customer a perfectly synchronised, high-efficiency solution. The engines' common-rail fuel injection, with its high flexibility, is central to their meeting Tier II exhaust-gas requirements at the lowest possible fuel-consumption, especially in part load."

Tolgos continued: "Another important benefit is the engines' unmatched performance in terms of minimum smoke emissions, even with lower-quality fuels like HFO. We are very pleased that Cantieri Navali Visentini and shipowner Visemar, two long-standing customers of MAN Diesel & Turbo, expressed their confidence in our company by asking us not only to supply the engines but, additionally this time, the complete propulsion package including MAN Alpha CP propellers."

Propulsion package

MAN Diesel & Turbo optimised the propulsion system in close cooperation with the Cantieri Navali Visentini shipyard and **NAOS, the Italian RoPax/RoRo ship-design specialist.** The MAN Alpha CP propellers stem from the new HUB Mark 5 series,

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Press Release
Page 2 / 3

which – courtesy of a project-specific special propeller-blade design – deliver a very high propulsive efficiency, leading to substantial fuel-oil savings for the complete propulsion plant. Similarly, the Renk gearboxes work with very low friction, incurring fewer losses and a higher efficiency.



Library photo of a 6-cylinder L32/44CR engine similar to those bound for Italy



Graphical rendering of the Visemar newbuilding

Press Release

MAN Diesel & Turbo



Press Release

Page 3 / 3

About MAN Diesel & Turbo

MAN Diesel & Turbo SE, based in Augsburg, Germany, is the world's leading provider of large-bore diesel engines and turbomachinery for marine and stationary applications. It designs two-stroke and four-stroke engines that are manufactured both by the company and by its licensees. The engines have power outputs ranging from 450 kW to 87 MW. MAN Diesel & Turbo also designs and manufactures gas turbines of up to 50 MW, steam turbines of up to 150 MW and compressors with volume flows of up to 1.5 million m³/h and pressures of up to 1,000 bar. The product range is rounded off by turbochargers, CP propellers, gas engines and chemical reactors. MAN Diesel & Turbo's range of goods includes complete marine propulsion systems, turbomachinery units for the oil & gas as well as the process industries and turnkey power plants. Customers receive worldwide after-sales services marketed under the MAN PrimeServ brand. 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. MAN Diesel & Turbo is a company in the Power Engineering business area of MAN SE.

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