



Record catamaran

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## **MAN Diesel Provides Engines for Record Catamaran**

**Austal, the Australian shipbuilder specialising in the design and construction of aluminium vessels, will build its biggest catamaran to date following an order from Denmark's Nordic Ferry Services.**

According to terms signed on 28 August last, the new vessel will be powered by four MAN Diesel 20V 28/33D engines, each delivering 9,100 kW at 1,000 rpm for 100% MCR. Additionally, the engines have an overload capacity for a limited time (max. 1 hour every 6 hours) and can deliver 10,000 kW at 1,032 rpm (110% MCR).

The engines will be among the first to be turbocharged by MAN Diesel's new TCA 33 generation. Due to a higher pressure rate, the new turbocharger can reach values of up to 500 kW per cylinder.

The order involves the design and construction of a 113-metre, high-speed, vehicle-passenger ferry, designed to carry 1,400 passengers and 357 cars between Rønne, on the Danish island of Bornholm, and Ystad in south-east Sweden. The vessel will be built at the Austal facility in Henderson, Western Australia, and is scheduled for delivery in May 2011.

Det Norske Veritas will survey the catamaran's construction, ensuring compliance with the IMO's HSC code. With a maximum speed of 40 knots, the new vessel will deliver an improved transportation service to Bornholm residents while also meeting the seasonal demand generated by holiday-makers. The Rønne-Ystad route already employs another, 86-metre, Austal catamaran - "Villum Clausen" - that entered service in 2000.

Mads Kofod, CEO of Nordic Ferry Services A/S, says: "Service and reliability are keywords for Nordic Ferry Services. Apart from taking care of navigation to [the Danish islands of] Fanø, Samsø, Als og Langeland, we also account for 85-90% of passenger transport to and from Bornholm, as a result of having won its ferry contract up to 2017. Bornholm has some 43,000 inhabitants and is visited annually by about 630,000 tourists. [The contract] also includes basically all transport of goods to and from the island. It is therefore crucial for Nordic Ferry Services to be able to stick to the agreed timetables. We therefore wish to have an in-built surplus of power in the

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new 113-metre fast ferry that we have ordered from Austal. This has proven to be possible without incurring large increases in fuel or maintenance budgets.”

He continues: “We feel comfortable with the guarantees MAN Diesel has given us regarding the running of the engines. From a technical point of view, you could say that an order has been placed for four engines that, as of yet, have not been type-approved! We have of course concluded that MAN can accomplish the task and deliver the engines to the shipyard in good time, thereby facilitating the on-time delivery of the ship to Bornholm.”

In finishing, Mads Kofod says: “With the changes that MAN Diesel has made to the 20V28/33D engine, we are really looking forward to putting the world’s most powerful diesel-engine driven passenger catamaran into service in 2011.



*Rendering of the 113-metre, high-speed catamaran to be built by Austal*

**About MAN Diesel**

MAN Diesel is the world’s leading provider of large bore diesel engines for marine and power plant applications. The company designs two-stroke and four-stroke engines, generating sets, turbochargers, CP propellers and complete propulsion packages that are manufactured both by MAN Diesel and its licensees. The engines have power outputs ranging from 450 to 97,300 kW. MAN Diesel employs approx. 8,000 staff, primarily in Germany, Denmark, France, the Czech Republic, India and China. The global after-sales organisation, MAN Diesel PrimeServ, comprises a network of the company’s own service centres, supported by authorised partners. MAN Diesel is a company of MAN SE, which is listed on the DAX share index of the 30 leading companies in Germany.

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