

Media Release

Voith Group

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Sanmar Shipyards relies on Voith Schneider Propeller for new VectRA 3000 series tugs

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- Sanmar Shipyards of Turkey currently building the third ship of the VectRA 3000 series equipped with Voith Schneider Propeller (VSP).
- Outstanding efficiency performance of the VSP reduces fuel consumption while maximizing safety for the ship and the environment.
- Voith Electronic Control system enables further fuel savings.

HEIDENHEIM/ISTANBUL. Sanmar Shipyards of Turkey is currently building the third ship of the VectRA 3000 series. For this project, the shipbuilder is once again relying on the proven Voith Schneider Propeller (VSP). Decisive factors were the high reliability and performance of the propellers on the other two ships: “The outstanding efficiency of the Voith Schneider Propeller minimizes performance requirements and thus reduces fuel consumption while maximizing safety for the ship and the environment”, says Ali Gurun, Vice President at Sanmar about the advantages of the VSP.

VectRA series tugs are high-performance VSP tugs in tractor configuration (Voith Water Tractors), designed for maximum efficiency. Propulsion is provided by VSP type 32RV5 EC/265-2 units with a drive power of 2,525 kW each. The propulsion system driven by two Caterpillar 3516C high-speed diesel engines connected to the Voith units via reduction gearboxes with integral clutches. Each engine offers power of 2,525 kW at 1,800 rpm. With the Voith Electronic Control system incorporated on the tugs the captain is able to clutch-off thrusters at idle. This enables further fuel savings.

The vessel is equipped with heavy duty deck equipment and fendering, appropriate to ship assist service. Towing and ship-handling is performed over the stern using a high-performance, split drum winch. Tow hooks are also installed on the aft and forward decks. The vessel hull is constructed of all-welded mild steel, in a double chine form, the deckhouse and wheelhouse are also fabricated in steel.

The innovative VectRA 3000 Class Tug is a high performance VSP Tractor tug designed by Robert Allan Ltd in close collaboration with Turkish ship builder Sanmar and Voith Group. The tug is designed for maximum efficiency in the performance of towing, harbour ship-handling and escorting of large ships. Performance has been verified with extensive model tests at the commencement of the design cycle. With a bollard pull of 70 tonnes, the design has fire-fighting and oil recovery capabilities and is fully MLC compliant.

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About the Voith Group

The Voith Group is a global technology company. With its broad portfolio of systems, products, services and digital applications, Voith sets standards in the markets of energy, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, the company today has more than 19,000 employees, sales of €4.3 billion and locations in over 60 countries worldwide and is thus one of the larger family-owned companies in Europe.

The Group Division Voith Turbo is part of the Voith Group and a specialist for intelligent drive technology, systems as well as tailor-made services. With its innovative and smart products, Voith offers highest efficiency and reliability. Customers from highly diverse industries such as oil and gas, energy, mining and mechanical engineering, ship technology, rail and commercial vehicles rely on the advanced technologies and digital applications of Voith.

About the Sanmar Shipyards

As an experienced shipyard and operator, Sanmar has been providing services to the world's leading tug owners and has become world renowned for the construction of a wide portfolio of tugs in its two custom-built shipyards.. Sanmar Shipyards uses leading equipment suppliers and only employs the premier designs of the leading naval architects such as Robert Allan Ltd. (RAL). Sanmar leads the world in the construction of RAL designs with numbers exceeding 200.

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