

▶ Marine & Industrial ▶ Transmissions Ltd

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MIT work on Installation of Rolla Propellers

MIT have recently completed an installation of two propellers to a new Sunseeker 155 yacht in association with Rolla, whom they represent in the UK. The installation took place at the Sunseeker facility in Poole, Dorset.

The Sunseeker 155 is the latest flagship set for launch in 2014 and will be the largest and most advanced in the Sunseeker range yet and is fitted with 2 x MTU 12v 4000 M73L, 2940hp engines.

The service engineer explained that in order to ensure the optimum working performance for propellers, the task of installing is more in-depth than one may have imagined.



The 1676 mm diameter, 1433 mm Pitch - 5 blades Rolla propellers - with hydraulic hub fitting - were lifted on to the propeller shafts using an engine hoist. Based on its extensive experience, Rolla was able to give the team precision details to ensure a smooth and easy installation. Throughout the installation process the propellers were monitored with measurements checked, to ensure the exact requirements which will provide smooth and efficient running.

Rolla manufacture highly efficient quality propellers in NiBrAl up to 2.5m in diameter, with a power range from 600 Hp up to 5000 Hp. The propellers are designed with complete hydrodynamic engineering service using Computer Fluid Dynamic (CFD) analysis based on the full formation and sea keeping. The custom designed propellers for this project were RINA approved. Following a close working relationship with the project build team, Rolla have carried out extensive CFD Calculations to assess performance estimation, fuel consumption and range estimation as well as assessing many different blade profiles to identify the most efficient propeller design.

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Marine & Industrial Transmissions Ltd, (MIT) are prime suppliers of new units, spares and service of marine gears, power-shift transmissions, power take offs and associated products for drive line and propulsion systems. With plants in 2 UK locations they have provided expertise and quality products for over 35 years. Working with many well-known suppliers such as Twin Disc, Nico, Transfluid and Rubber Design, MIT have provided and maintained equipment to power products manufactured by the likes of Sunseeker, Irish Rail, Terex, Alicat, and the M.O.D. They continue to expand their services and products offered to maintain their position as being one of the prime suppliers in the UK of drive line and propulsion solutions to all aspects of industry.

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