

WinGD completes first full-load running of X-DF-M engine on methanol

Swiss marine power company WinGD has reached a milestone in realising its X-DF-M methanol-fuelled engine design, running the first commercial engine at full load on more than 95% methanol fuel. The ten-cylinder, 92-bore 10X92DF-M engine was run on a testbed at CSSC-MES Diesel (CMD) in Shanghai in mid-December.

The engine will be installed on the fourth of a series of 16,000 TEU container vessels being built for COSCO Shipping Lines at COSCO Shipping Heavy Industry (Yangzhou) shipyard. As reported, the single-fuel 10X92-B engines on earlier vessels in the series will be converted for methanol once the first newbuild X-DF-M engine has been commissioned.

WinGD Vice President Research & Development Sebastian Hensel said: “After validating the methanol technology on our 920mm bore Single Cylinder Test Engine, the 10X92DF-M is running smoothly at full load and according to our expectations. This achievement is a key moment in delivering on our promises to our customers considering methanol fuel, and I am grateful to our engine builder partner CMD and our colleagues across WinGD for their remarkable efforts.”

The engine ran with less than 5% pilot fuel and minimal pilot fuel injector opening times. WinGD’s site team at CMD reported excellent engine condition following the full methanol running. The trip function to diesel fuel and switching to methanol, at 45% and 75% engine load, were also tested. Engine testing will now proceed on schedule for delivery to the yard within the agreed timeline.

Earlier this year COSCO Shipping Lines confirmed the selection of 9X92DF-M engines for an additional twelve 14,000 TEU vessels, reinforcing the company’s strong support for WinGD’s methanol technology. In total WinGD has 56 X-DF-M engines on order covering a range of bore sizes, with discussions ongoing for several more engines.

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WinGD in brief

WinGD advances the decarbonisation of marine transportation through sustainable energy systems using the most advanced technologies in emissions reduction, fuel efficiency, hybridisation and digital optimisation. With their two-stroke low-speed engines at the heart of the power equation, WinGD sets the

industry standard for reliability, safety, efficiency and environmental design, backed by a global network of service and support. Headquartered in Winterthur, Switzerland since its origin as the Sulzer Diesel Engine business in 1893, today it is powering the transformation to a sustainable future.

WinGD is a CSSC Group company.

For more information visit: www.wingd.com

