
Press release

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World's Largest Methanol Engine Marks “Unbelievable Achievement”

HHI-EMD – an MAN Energy Solutions two-stroke licensee – marks milestones in Korea with successful FAT of world's largest methanol-powered, two-stroke engine and surpassing of 200 million brake-horsepower

At a ceremony in South Korea on March 22nd, HHI-EMD celebrated the world's largest methanol-powered two-stroke engine, an MAN B&W G95ME-LGIM type. Simultaneously, the engine's manufacture pushed the company past the 200 million brake-horsepower milestone for low-speed, two-stroke engines.

Bjarne Foldager, Head of Two-Stroke Business, attended the ceremony on behalf of MAN Energy Solutions. In a speech at the event, he congratulated Hyundai, referred to the cooperation between the two companies that started in 1974, and noted that Hyundai was the first engine manufacturer to reach the 200 million bhp mark: “It took about 35 years for the first 100 million brake-horsepower, and only 13 years for the next 100 million – an unbelievable achievement!”

Regarding the engine itself, Foldager continued: “With its 95 cm cylinder bore-size, this is the world's largest methanol engine. And maybe most importantly, when this engine is in operation it will save 130,000 tons of CO₂ annually when operating on carbon-neutral methanol. We have a great responsibility for the future to develop and produce environmentally-friendly engines and ships. We are really proud of helping Hyundai on this important journey and hope to celebrate many new milestones together in the future.”

Subsequently, the G95ME-C10.5-LGIM methanol engine could report a successful FAT (Factory Acceptance Test) during the first half of April.

About the MAN B&W ME-LGIM engine

MAN Energy Solutions developed the ME-LGIM dual-fuel engine for operation on methanol, as well as conventional fuel. The engine is based on the company's proven ME-series, with its approximately 8,500 engines in service, and works according to the Diesel principle. When operating on green methanol, the engine offers carbon-neutral propulsion for large merchant-marine vessels. Currently more than 100 ME-LGIM engines are on order or in service, more than 50 of which are G95ME-C10.5-LGIM variants.

Methanol carriers have already operated at sea for many years using the engine, and, as such, the ME-LGIM has a proven track record offering great reliability and high fuel-efficiency.



Bjarne Foldager, Head of Two-Stroke Business, MAN Energy Solutions speaking at the event in South Korea and flanked by an MAN B&W G95ME-LGIM methanol-burning engine, the world's largest

MAN Energy Solutions enables its customers to achieve sustainable value creation in the transition towards a carbon neutral future. Addressing tomorrow's challenges within the marine, energy and industrial sectors, we improve efficiency and performance at a systemic level. Leading the way in advanced engineering for more than 250 years, we provide a unique portfolio of technologies. Headquartered in Germany, MAN Energy Solutions employs some 14,000 people at over 120 sites globally. Our after-sales brand, MAN PrimeServ, offers a vast network of service centres to our customers all over the world.