

Press Release:**15.05.2018****Maersk Fluid Technology publishes whitepaper examining the benefits of Blending-on-Board on system oil**

Maersk Fluid Technology (MFT), has published '*Benefits of Refreshing Two-Stroke Engine System Oil by Blending-on-Board*' a whitepaper which explores the many benefits for system oil that are conferred by the company's SEA-Mate® Blending-on-Board (BOB) system.

The paper details how BOB – developed in-house by the AP Møller subsidiary as a means of producing cylinder lubricant suited to different fuel types and engine operation modes for crosshead two-stroke engines – has even more benefits for the engine's system oil. BOB significantly improves the system oil making the engine more efficient and reducing fuel consumption. The consequent reduction in exhaust emissions is also beneficial to the environment.

System oil cools and lubricates essential engine components. It is as well used as hydraulic oil for operating and controlling engine components and systems, fuel injection equipment, exhaust valves and turbochargers. Under normal circumstances, the system oil degrades in the time between system oil changes; becoming thicker, losing its detergent characteristics and becoming contaminated by wear particles and possibly by leakage from the upper cylinder through the piston stuffing box.

When BOB is employed to produce cylinder lubricating oil from the in-use system oil and an appropriate high BN oil product, the engine's system oil is constantly replenished with fresh clean oil and therefore the protection and efficient operating of the engine is continually maintained.

The whitepaper also details the considerable financial savings as a result of lower maintenance and less use of the system oil cleaning system and separator. With BOB, annual savings on a small bore two-stroke main engine is in the range of \$20-40,000 and for a medium to large bore engine as much as \$40,000 – 90,000. The reduction in cylinder lubrication and engine wear alone justifies the investment.

Since the concept was first developed in 2008, MFT initially supplied BOB systems to vessels in the Maersk fleets, it is now available to all shipowners.

Jens Byrgesen, Managing Director of MFT says; "Users of BOB have been impressed with the improved engine performance and maintenance that have resulted from the cleaner system oil and have welcomed the cost savings the improvements bring."

Download the whitepaper by clicking [here](#).

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Image captions Left to Right: Jens Byrgesen, Managing Director, Maersk Fluid Technology and Maersk Fluid Technology's BOB3000

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About Maersk Fluid Technology

Maersk Fluid Technology is a fully-owned subsidiary of A.P. Moller – Maersk Group, and provides cost-effective and technologically leading solutions for clients' lubrication needs. Their products have been developed since 2008 starting out as an idea, materialising into a concept and through years of field testing, it has turned into the globally patented solution named 'Blending-on-Board' lubrication system and the "SEA-Mate® XRF Analyzer" for wear analysis and monitoring. The products are today branded as SEA-Mate® and the concept is based on propriety technology designed to enable the operator to custom blend a Fit-for-Purpose cylinder lubricant from in-use 2-stroke engine system oil and a high-BN cylinder oils available from oil majors in ports worldwide.

Further information can be found by visiting www.maerskfluid.com
