

TECHNICAL CIRCULAR

DOC No.: HHI-TEC-0444

Date : APR 15, 2022

SUBJECT: PMI ACCo(Adaptive Cylinder Control)

TYPE: ALL HYUNDAI-MAN B&W 2-STROKE ENGINES

DISTRIBUTION

<input checked="" type="checkbox"/> Ship yard	<input checked="" type="checkbox"/> Ship owner
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Up to now, PMI on-line with Auto Tuning has been applied to all ME/ME-C/ME-B engines as standard according to HHI-TI-0214(2013-01-23).

With the PMI Adaptive Cylinder Control (ACCo), it has been introduced the solution to take engine tuning to the next level. Using a new, patented algorithm, closed loop control ensures that each individual cylinder always operates at its optimal cylinder pressure. This gives customers the best engine performance and lowest possible fuel consumption at all times.

A successor to PMI on-line with Auto Tuning, PMI ACCo is a fully automatic system that will constantly help you secure optimal engine tuning regardless of engine load, load range, load changes, and varying fuel calorific values.

PMI ACCo system will be applied as additional function of software. No further action for PMI ACCo is required at shipyard side.

Please see below key benefits of PMI ACCo.

- Fully automatic system
- Ensuring lowest possible fuel consumption at all times
- Improved tuning of the engine
- Slow steaming support
- Automatic adjustment for fuel variations
- Increased reliability
- Great return on investment

We, HHI-EMD, would like to announce the PMI ACCo application to all Hyundai-MAN B&W 2-Stoke Engines as below.

Engine type	PMI ACCo Application
Dual fuel engines, Mk. 10.6 Engine types	Standard
Other engine types	Option

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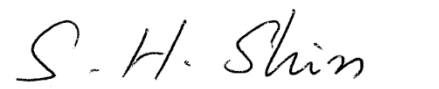
PMI ACCo application of other engine types will be discussed on technical meeting (E.O.D) at each project.

4 75 00 0 <u>EMS system (including PMI Autotuning system)</u>	
<input checked="" type="checkbox"/>	4 75 01 1 PMI-Autotuning DAU (Data Acquisition Unit)
<input type="checkbox"/>	4 75 01 2 ACCo(Adaptive Cylinder Control) System - Standard for DF & Mk.10.6

We hope the information will do you a valuable service.

[The end]

Yours sincerely,



S. H. SHIN / Senior Engineer

Head of Engine System Technical Sales Dep't