

Dear Sir or Madam

We would like to draw your attention to the use of PMI sensors for measuring cylinder pressure on MAN B&W two-stroke engines. The cylinder pressure is used for various applications, such as balancing of maximum pressure, compression pressure, mean indicated pressure, fuel quality adjustment, and load estimation. Moreover, it is utilised for the gas safety system on dual fuel engines. For all these applications, it is crucial to measure the cylinder pressure accurately and reliably during the lifetime of the PMI sensors.

Therefore, MAN Energy Solutions has approved two makers, namely ABB and Kistler, to produce sensors that fulfill the requirements for controlling the engine reliably and in compliance with our design. It is important to note that the two makers use different techniques to measure the pressure. This means that the two PMI sensor makes cannot replace each other. Furthermore, these makes cannot be replaced by other makes.

Once an engine has been commissioned with one make of the sensors, spare part sensors must be of the same make and type to remain compliant with the IMO certification, and, for dual fuel engines, to ensure the correct function of the gas safety system.

We are constantly in contact with alternative makers that develop similar sensors for the application. However, at present, we have only approved ABB and Kistler sensors to be used for measuring cylinder pressure.

Yours faithfully



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Vice President, Engineering



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Senior Manager, Operation

Action code: WHEN CONVENIENT

PMI sensors

Two-stroke engines

SL2023-739/NSL

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Concerns

Owners and operators of MAN B&W
two-stroke marine engines
Type: ME-C

Summary

This Service Letter underlines that the two currently approved makers of PMI sensors, ABB and Kistler, must not be interchanged or replaced with any other make.

For more information please contact:

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ABB



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