

Cylmate pressure transducers

Combustion pressure under control



World's largest container ship uses ABB's Cylmate® pressure transducers to optimize performance of diesel engines

Measurement made easy

Cylmate® pressure transducers combustion pressure under control

Introduction

The recently launched largest and most efficient container ship uses ABB pressure transducers to measure the combustion pressure of its electronically controlled diesel engines. Twin 8-cylinder MAN diesel engines and two propellers drive the ship, named the Maersk Mc-Kinney Møller.

This is the first ship among Maersk's 'Triple-E' class of container vessels, capable of carrying 18,270 twenty-foot standard containers. The Triple-E stands for the class's three design principles: economy of scale, energy efficient and environmentally improved. Currently, only a few ports have gantry cranes tall enough to fully load the ship.

For more information

Further details of ABB Measurement & Analytics products are available for free download from: www.abb.com/measurement

or by scanning this code:



Cylmate® pressure transducers

Cylmate pressure transducers, suitable for both marine and power plant applications, measure the combustion pressure in each cylinder, continuously and in parallel, under all load conditions. The pressure transducers never need recalibration and they permit blow-through cleaning to prevent any build-up of combustion residues. Pressure measuring accuracy is 0.5 % over the full range. Its accuracy is not influenced by any clogging or heat flash from the combustion gases, which is a common problem of membrane-based pressure transducers.

Cylmate pressure transducers save money by enabling the tuning and controlling of the combustion pressure stroke-by-stroke. Cylmate pressure transducers used on electronically controlled diesel engines provide improved energy efficiency and lower the risk for off-hire costs.

The unique and reliable Cylmate pressure transducer has proven its maintenance- and calibration-free performance during years of continuous operation.



'M/S Maersk Mc-Kinney Møller' calls at Port of Gothenburg, Sweden on her maiden voyage in August 2013



The 400 m long, 59 m wide 165,000 dwt vessel has a capacity of 18,000 TEU, making it the biggest vessel delivered to date

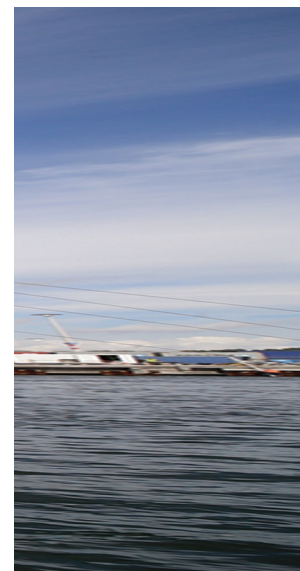


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