



PrimeServ innovation

Copenhagen,
07/09/2010

PrimeServ PIN Intelligently Optimises Maintenance Schedules

MAN Diesel & Turbo's PrimeServ after-sales division is choosing SMM 2010 in Hamburg to unveil its latest product concept, PrimeServ PIN, a microchip-based system that guarantees spare-parts origin, and supports and optimises maintenance.

PrimeServ PIN guarantees the origin and identification of original spare-parts through the insertion of an unobtrusive, radio-frequency identification (RFID) microchip into the part itself. Spare-parts can subsequently be scanned to establish their provenance and a permanent connection established between the mechanical part and SaCoS_{one}, MAN Diesel & Turbo's engine control system.

The PrimeServ PIN system sits as an integrated part of SaCoS_{one} and optimises engine maintenance by retaining all data and technical characteristics of microchipped spare-parts and flagging parts that need maintenance, inspection or replacement in advance. The microchip facilitates easy identification of the spare-part and any replacements needed.

For cases such as slow-steaming where part-wear rates are lower than usual, PrimeServ PIN automatically adjusts service warnings accordingly – the respective parts can be used longer. That is, PrimeServ PIN optimises service programmes through reducing downtime during maintenance and ensuring compliance with environmental and safety guidelines.

As such, PrimeServ PIN is an intelligent, powerful, condition-based maintenance tool that comes as an integrated part of SaCoS_{one}. It is easily manipulated by touch-screen and its user-friendly display consists of bar charts, hourly displays and colour-coded information.

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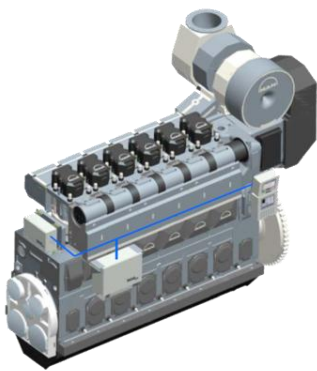
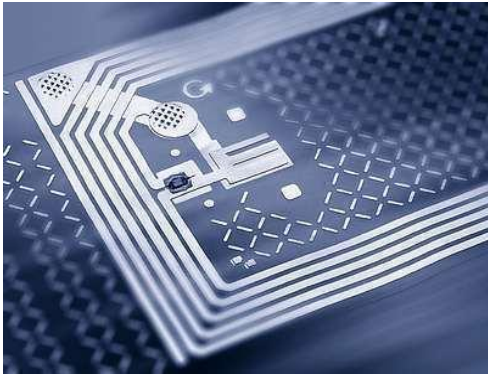
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PrimeServ PIN works by scanning those spare-parts of an engine with embedded microchip and transferring the information to the SaCoS_{one} control system



A SaCoS_{one} screen dump

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MAN Diesel & Turbo



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About MAN Diesel & Turbo

MAN Diesel & Turbo SE, based in Augsburg, Germany, is the world's leading provider of large-bore diesel engines and turbomachinery for marine and stationary applications. It designs two-stroke and four-stroke engines that are manufactured both by the company and by its licensees. The engines have power outputs ranging from 450 kW to 87 MW. MAN Diesel & Turbo also designs and manufactures gas turbines of up to 50 MW, steam turbines of up to 150 MW and compressors with volume flows of up to 1.5 million m³/h and pressures of up to 1,000 bar. The product range is rounded off by turbochargers, CP propellers, gas engines and chemical reactors. MAN Diesel & Turbo's range of goods includes complete marine propulsion systems, turbomachinery units for the oil & gas as well as the process industries and turnkey power plants. Customers receive worldwide after-sales services marketed under the MAN PrimeServ brand. The company employs around 12,700 staff at more than 100 international sites, primarily in Germany, Denmark, France, Switzerland, the Czech Republic, Italy, India and China. MAN Diesel & Turbo is a company of the Power Engineering business area of MAN SE, which is listed on the DAX share index of the 30 leading companies in Germany.

Ref. No.: 6510-0202