

Press Release

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MOL chooses diagnostic monitoring system “ClassNK CMAXS” for additional two ships

ClassNK Consulting Service Co., Ltd. developed next-generation diagnostic monitoring system “ClassNK CMAXS” has been chosen by Mitsui O.S.K. Lines (MOL) for installation on two more ships operated by the company. The system is now installed on a total of six MOL-operated ships.

The two ships are installed with CMAXS e-GICSX, a system which monitors electrically controlled main engine supplied by Mitsui Engineering & Shipbuilding Co., Ltd., and CMAXS LC-A for auxiliary engines supplied by DAIHATSU DIESEL MFG. CO, LTD. Both CMAXS systems operate simultaneously, gathering information from VDR, data logger and main engine. This information (Big Data) is consolidated on a common platform for analysis and the potential future improvement. The common platform also allows the user to clarify results of machinery diagnostics and troubleshooting using a common interface.

ClassNK CMAXS utilizes sensor data acquired from data logger and VDR among others, and offers diagnoses of onboard machinery and equipment to enable condition monitoring maintenance and avoid unnecessary downtime. Sensor data acquired by ClassNK CMAXS is integrated into an cloud database, CMAXS Web Service, allowing the information to be shared both on board and on shore. A support service is also available for shipping companies and crew for CMAXS functions and remote monitoring by machinery manufacturers through CMAXS Web Service.

Developed in partnership with DIESEL UNITED, LTD., Mitsui Engineering & Shipbuilding Co., Ltd., Hitachi Zosen Corporation, MAKITA CORPORATION, DAIHATSU DIESEL MFG. CO, LTD., and Naniwa Pump Mfg Co., Ltd., ClassNK CMAXS' revolutionary use of Big Data represents the next step in ship safety and efficiency.

ClassNK Consulting Service continues to support CMAXS LC-A and CMAXS e-GICSX systems to reduce the total lifecycle cost of ships and improve the reliability of machinery with CMAXS partnership machinery manufacturers.



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