

Wärtsilä International training in tribology

Wärtsilä sent back its materials specialists to school so that they could train in tribology, along with teams from all over the world. The course is a mix between theoretical training applied to the various engine parts and an analysis of concrete cases.



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OUR CUSTOMER

Corporate Name

Wärtsilä

Turnover

4.8 billion euros

Workforce

18,000 people

Activity

Wärtsilä is a world leader in integrated energy solutions for the maritime sector and the energy market. The group designs innovative and efficient solutions to optimise the environmental and economic performance of the vessels and power plants of its customers. The company has operations in more than 200 sites in approximately 70 countries all over the world.

Every year, Wärtsilä, the Finnish engine manufacturer, gathers its metallurgy experts for a training session in the specific topics relating to the problems it faces. *“This is a fantastic period for all our teams all over the world, explains Franck Foissey, materials expert at Wärtsilä. In fact, these yearly training sessions allow us to forget about the monthly videoconferences and to meet each other, face to face, around major topics for the company. For this tribology training session, we naturally issued a call for competition between Cetim’s experts and other international laboratories working on this topic. We wanted a training course dedicated to certain specific engine parts,*

Cetim best met our expectations and thus won the international call for tenders”.

Very concrete cases

A three-day training, all in English, was then specially designed for a dozen of Wärtsilä materials experts, based on the various proposals made by Cetim and adapted through interviews with the managers of the Finnish, Italian and French teams.

“The training was given by several Cetim experts and focused on the specific problems that we wanted to examine, namely lubrication, cavitation and overheating on injection, piston ring and cylinder sleeve sides, continues Franck Foissey. At the end of the training, Cetim’s experts provided us with specific expertise on large-sized

valves that we had brought with us and on which surface fatigue problems had been detected. We are extremely satisfied with the excellent level of the answers provided by Cetim’s experts to the very specific questions raised by our materials experts”, concludes Franck Foissey.

Cetim's asset

Cetim’s experts have all the necessary skills and tools to characterise, in accordance with the applicable international standards, the tribological phenomena on parts and materials.



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