

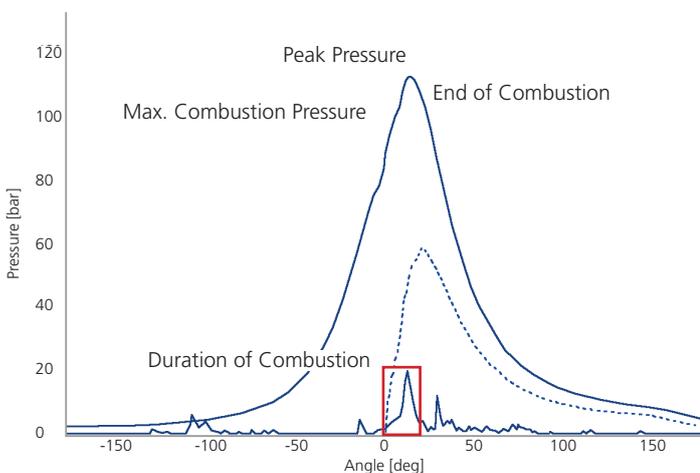
CMT Case Story 10 / 2021

PREMET® M combined with Cloud Software helps balancing cylinder load, optimize injection timing and detect worn or damaged engine components.



USC Barnkrug GmbH core work includes the technical management of feeder ships, their crewing and both the implementation and monitoring of all actions necessary for the safe operation of a ship in accordance with the current regulations.

To achieve this goal, USC decided to update all electronic cylinder pressure indicators. Due to a very good experience with the well-known PREMETS product range in the last 20 years, the decision was very easy: the new generation PREMETS® M. USC Barnkrug has ordered the PREMETS® M for all ships. All chief engineers and technicians on the ships quickly familiarized themselves with the new PREMETS and are very satisfied with it.



To increase efficiency of analysis and manage complete fleets, USC has completed this solution with CMTs powerful "PREMETS® Cloud Software". Data are uploaded into the cloud direct from the vessel by email. Everything is stored in the cloud and can be accessed from all over the world.

Now USC is still using this modern electronic cylinder pressure indicators very effectively and intensively and is very happy with the devices and software.

Mr. Bröhan, Technical Superintendent mentioned: **"We have achieved a lot of improvement of the overall engine performance in the last months, the PREMETS range combined with the Cloud Software helps balancing cylinder load, optimize injection timing and detect worn or damaged engine components"**

In order to reduce Co2 emissions, USC now intends to use climate-neutral fuels on their vessel MV Elbsommer.

Mr. Bröhan continued: **"We have started a test on our MV Elbsommer and expect to see the advantages of this fuel via our monthly measurement with the PREMETS® M and compare it via the cloud software"**

All together the purchase of the latest PREMETS generation on all vessels was a very effective investment for USC with a short payback time. For the engineers onboard the vessel it is easy to do the measurement and upload the data.



Thanks to the PREMETS® Cloud it becomes a simple and unified task for the engineers at shore to evaluate data and give advice to the crew ensuring high engine performance and reliability.

