

CMT Case Story 11 / 2021

Massive improvements in engine performance with the PREMETS® X

On the 1st of January 2021 the ATR Beteiligungsgesellschaft GmbH in Ratzeburg and the Beiselen Holding GmbH in Ulm have merged to BAT. Together, with around 1.500 employees, they generate over € 2 billion in revenue.



Michael Hinz, leader of the shipping department, is convinced: "The first ship we tested with the PREMETS® X was the Ilka. We quickly discovered that the camshafts had shifted over 10 degrees. At first, we thought it was a measuring mistake, but after adjusting the engine and the fuel pump to the right position of the camshaft the ship suddenly had 200 kw more power."

Mr Hinz added: "We also had a lot of success with the readjustment of the other ships. We always measure with the Fuel Sensor, its crucial."

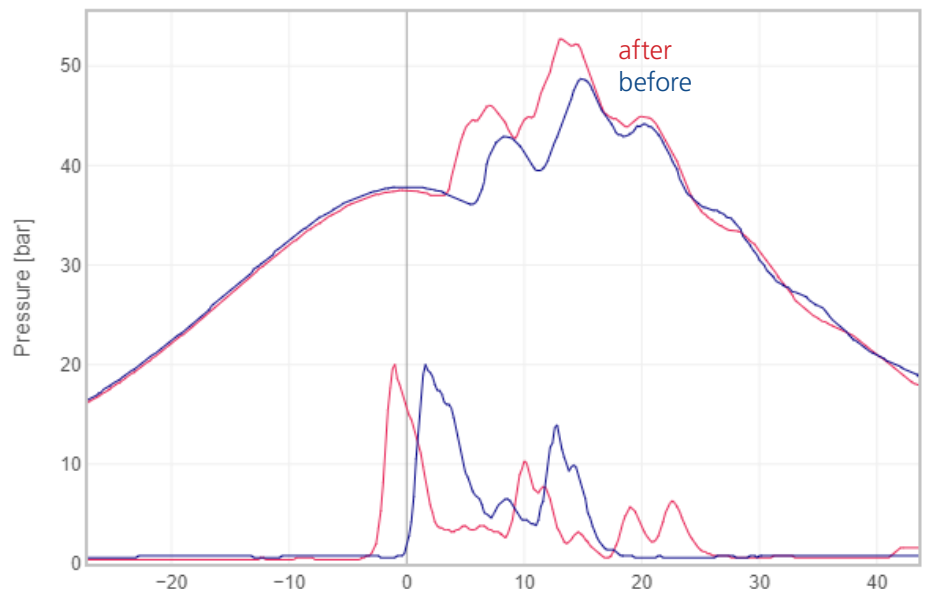
ATR also uses the Cloud Software to upload measurements from of all 4 ships directly via the PREMETS® X, to be evaluated on shore.

Mr Hinz also added: "This first readjustment already saved us more than the expense from the PREMETS® X and its sensor."

The shipping industry, one of many branches, is responsible for sustaining the autarchy of the sea logistics. ATR directly owns 4 ships and also chartered five to six additional ships. All ships sail under the German flag and mainly operate in the North and Baltic Sea.

Since September 2020 ATR is monitoring all main engines on their 4 ships with the PREMETS® X and the complementary Fuel Sensor. All ships (Ilka, Maike, Anouk und Henrike) have achieved significant improvements.

Adjust Angle Parameters



Comparison of the cylinder pressures before and after the camshaft correction

