

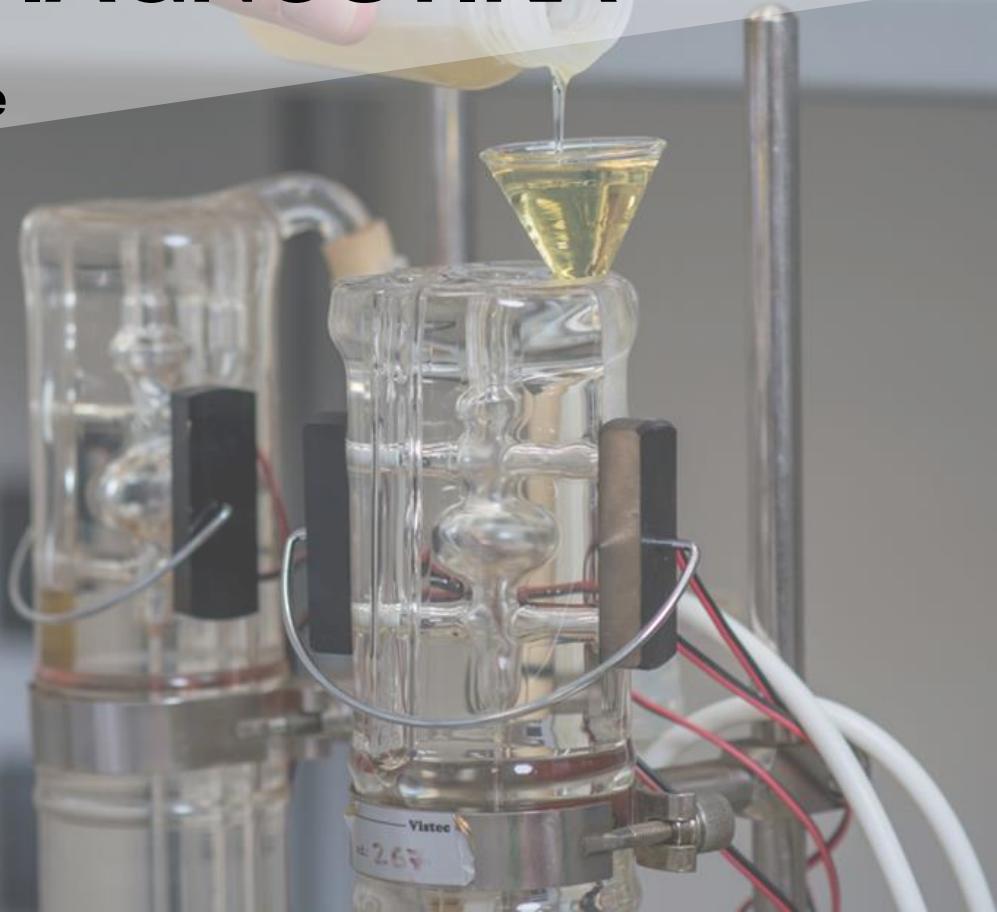


ŠKODA
SIMPLY CLEVER

FABLAB: TRIBODIAGNOSTIKA

Nové trendy v tribodiagnostice

David Šotka
PSZ/12
03.06.2021



TRIBODIAGNOSTIKA - PRESENT

Actual status overview



Analysis

„ We measure all key parameters of lubricants“



Filtration

„ Carefull care we prolong the life of lubricants“



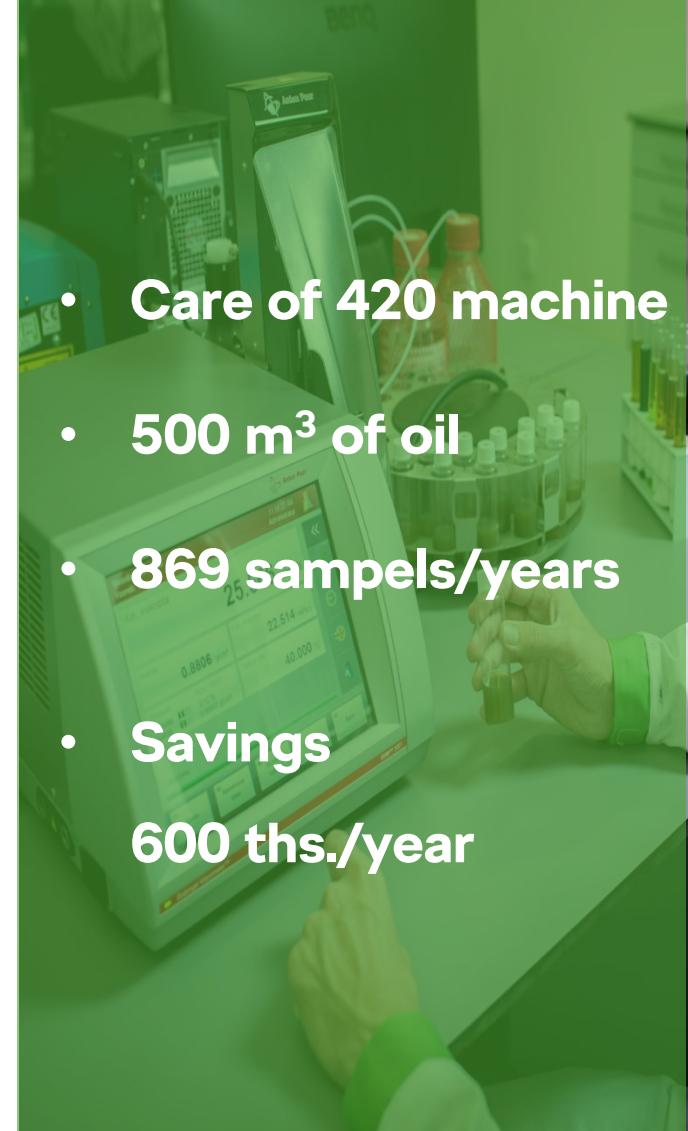
Inovation

„ We develop new procedures in Tribodiagnostics“



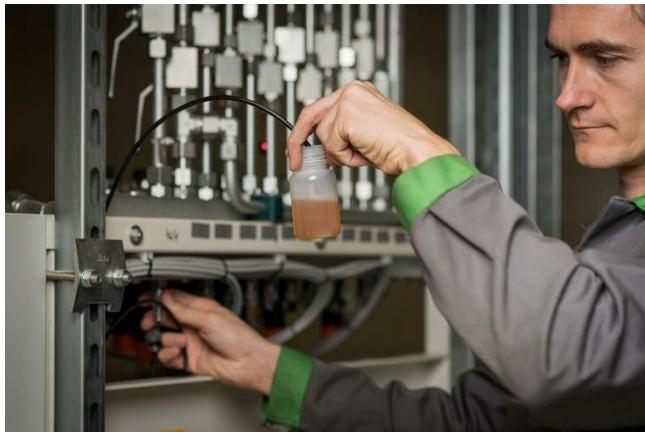
Digitalization

„We digitize expediently“



Oil care evolution

Timeline to Fluidmanagement



Oil sampling from the machine



Laboratory sample analysis

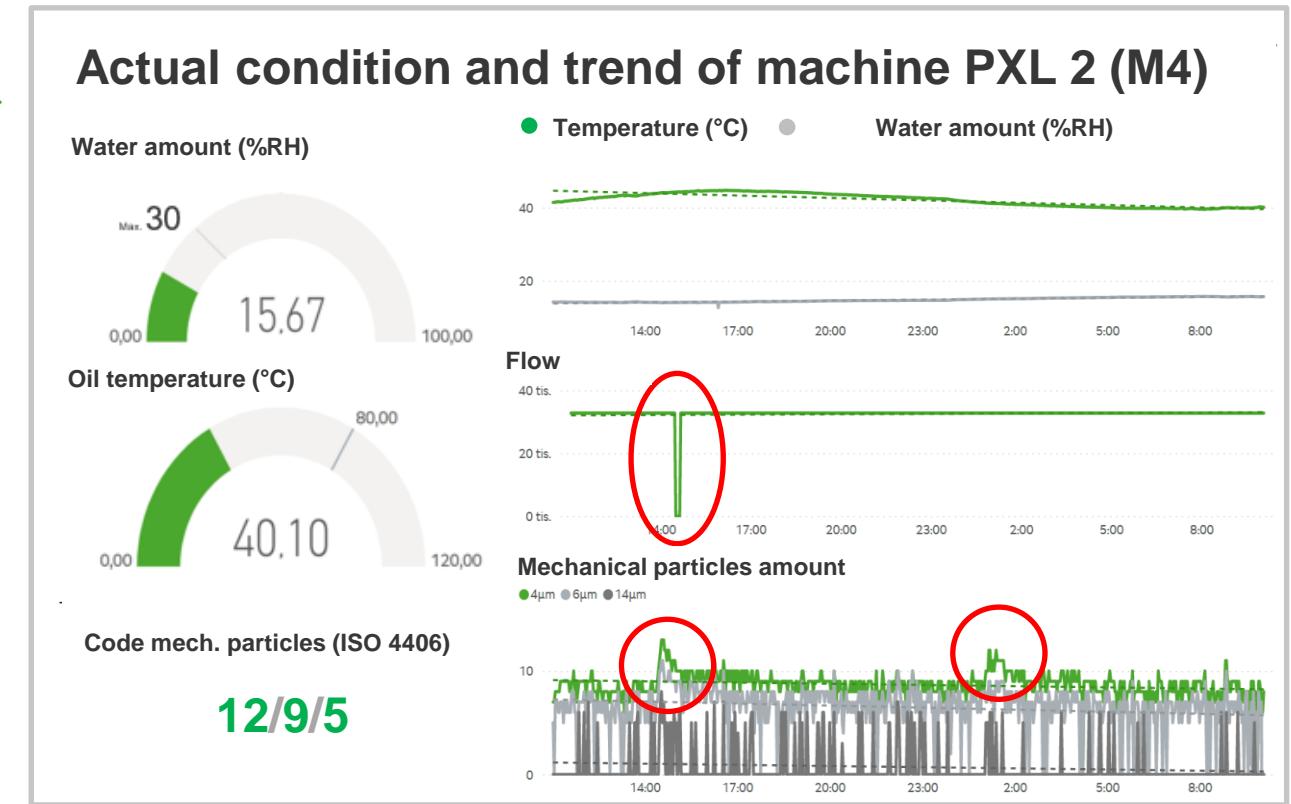
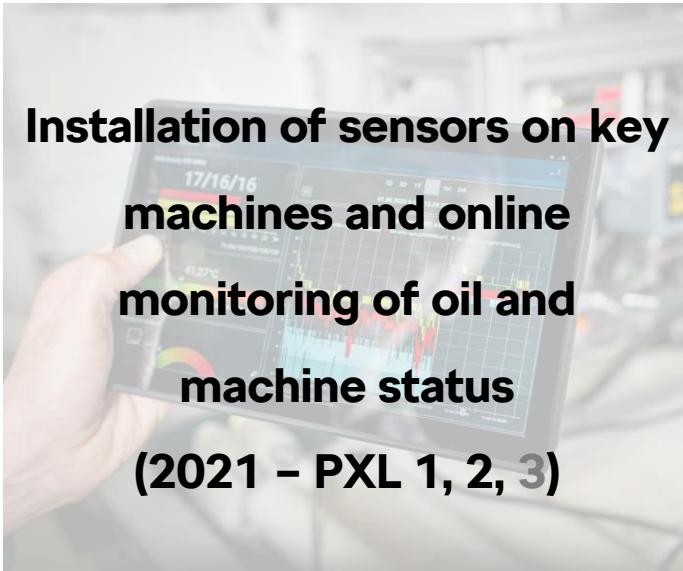


By-pass oil filtration

News in tribodiagnostics

New procedures and principles

Online monitoring



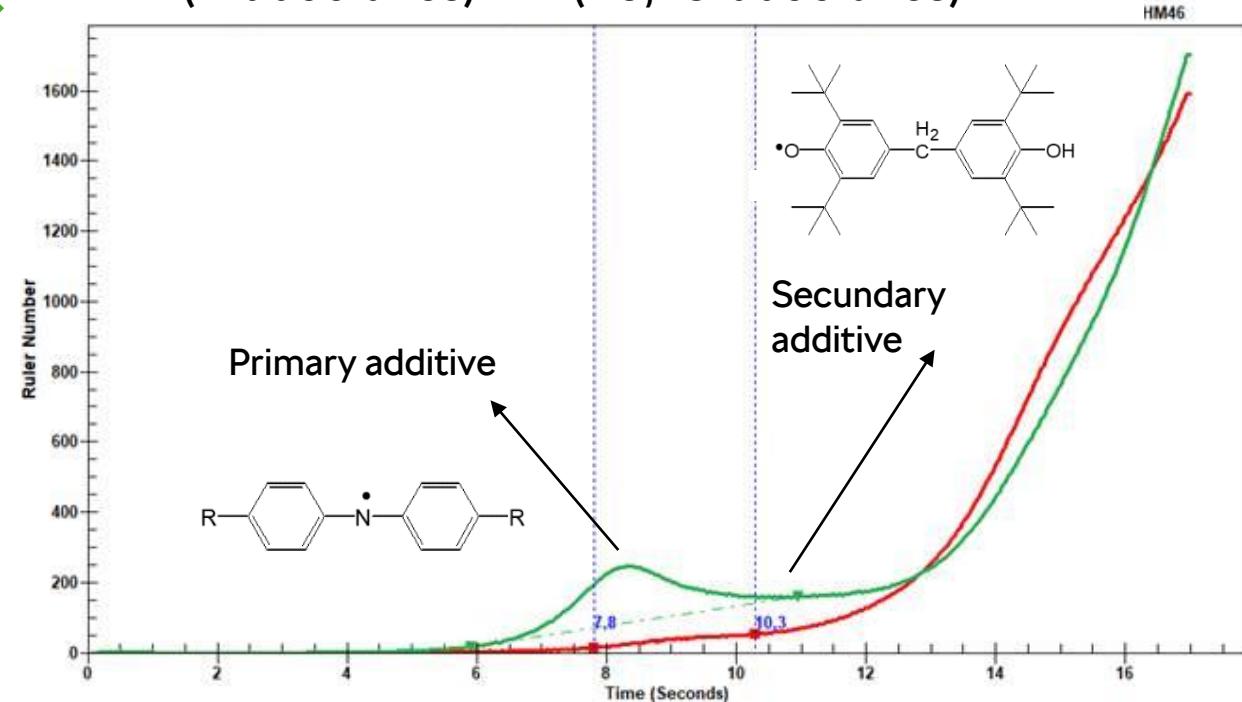
News in tribodiagnostics

New procedures and principles

Oil additives replenishment

By adding additives to old oils, we will extend the life of oils by a total of 15 years

new oil
(1% additives) „dead“ oil
(<0,75% additives)



TRIBODIAGNOSTIK - FUTURE

- New kinds of oil– increase of filtration volumes by 10%
(Saving 120 ths. € / year)
- Extension of knowledge in Online Monitoringu
- PoC - Oil additives replenishment (Saving 25 ths. € / year)
- Sustainability, CO₂ - reduction
(1L Öl = 2,3 kg CO₂ => 500 m³ = 1 150 t CO₂)
- Total saving – 745 ths. € / year
- Oil life = Machine life



THANKS FOR YOUR ATTENTION!



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