



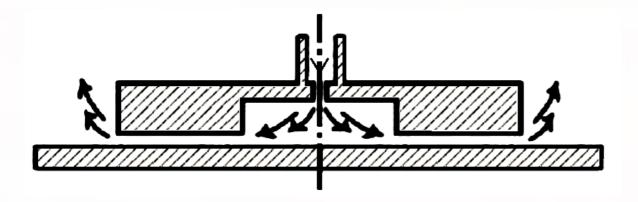
XI INTERNATIONAL CONFERENCE INDUSTRIAL ENGINEERING AND ENVIRONMENTAL PROTECTION 2021 IIZS 2021, October 07-08, 2021, Zrenjanin, Serbia



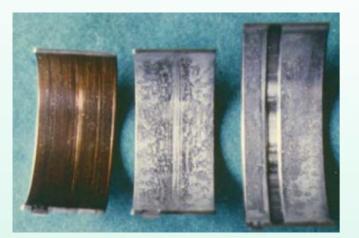
CONDITION MONITORING AND DIAGNOSTICS OF SLIDING BEARINGS

Ranko Antunović, Nikola Vučetić, Eleonora Desnica, Imre Kiss

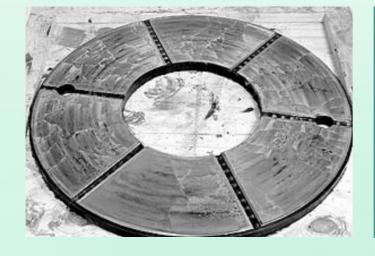
Sliding bearings (supports for shaft sleeves and shafts)



Damage to the surface of plain bearings

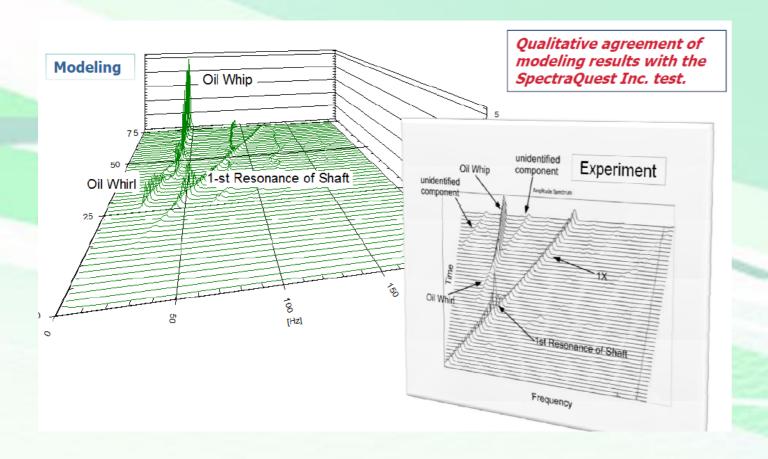




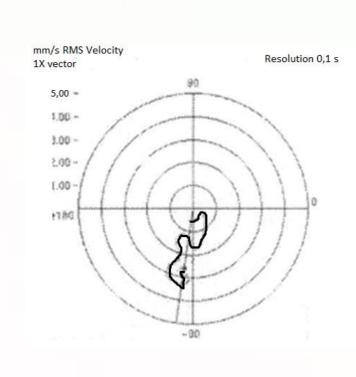


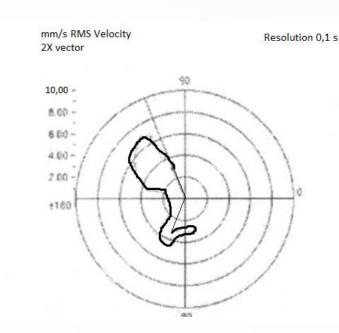


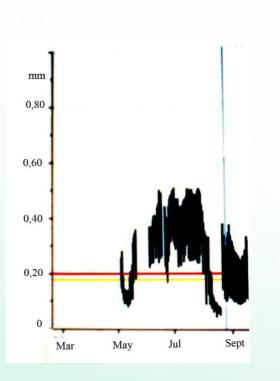
Cascade spectral display in the case of oil instability

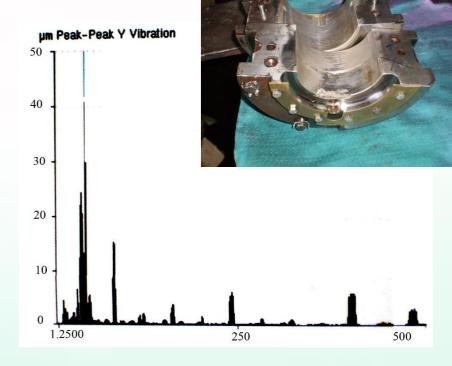


Case study









Conclusion

Inadequate and insufficient lubrication of the plain bearing

Analysis of the dynamic behavior of the bearing (vibration analysis)

Analysis of the bearing temperature (thermal method)