



VIBROSYSTM ANNUAL WORKSHOP ON MACHINE CONDITION MONITORING

HYDROVISION INTERNATIONAL

July 19th, 2011

8:00 am to 3:00 pm
Sacramento, CA, USA

AGENDA

- 8:00 Coffee & Muffins (provided by VibroSystM)
- 8:30 Introduction and Welcome
by Marius Cloutier, VibroSystM, Canada
- 8:35 Generator Monitoring Technology Overview
by David Wong, VibroSystM, Canada
- 9:00 Introduction to Software Interface
- Basic graphs, functions and terminology
- Analyzing Vibration – Rotating and Static Equipment
- How to diagnose shaft and stator vibration
 - Case Studies:
 - A. Extreme shaft displacement upon field flash
 - B. High vibration levels recorded at turbine bearing with velocimeters
- by André Tétreault, VibroSystM, Canada*
- 10:00 Conditional Alarming based on ZOOM® historical data using PRiSM
by André Petit, EDF, France
- 10:30 15 Minute Coffee Break

- 10:45 Mechanical Rotor Issues
- How to diagnose rotor integrity
 - Case Studies:
 - C. Rotor Rim behavior under overspeed conditions
 - D. Common behavior of rotor during field flash
 - E. Avoiding unnecessary repairs through correct diagnostics
- by André Tétreault, VibroSystM, Canada*
- 11:15 Cavitation Monitoring and Diagnostics
- Why
 - How
 - Case Studies
- by Branko Bajic, Korto Cavitation Services, Luxembourg*
- 12:00 Lunch (offered by VibroSystM)
- 1:00 Mechanical Stator Issues
- How to diagnose Stator integrity
 - Case Studies:
 - F. Stator movements caused by seasonal effects
 - G. Out of shape stators caused by concrete growth (AAR)
 - H. Extreme rotor/stator behavior after machine uprating
- by André Tétreault, VibroSystM, Canada*
- 2:15 10 Minute Break
- 2:25 Open Discussion/Q&A
- 3:00 End