LABORELEC
GDF SUEZ

TRAINING

VIBRATION MONITORING OF TURBO MACHINES: CASE STUDIES

OBJECTIVE

Rotating machines are subjected to continuous stress that is likely to initiate vibrations, the extent of which may lead to serious damage. This module is a detailed study covering the interpretation of vibration behaviour of major turbo machines. These cases are all based on known problems and measured with the Laborelec Vibration Monitoring System (LVMS), such as it is used on more than 100 shaft lines around the world.

TARGET GROUP

The level and course content is adaptable to the participants desires (e.g. maintenance or operations, I&C,...)

DURATION

1 day

CONTENT OF THE TRAINING

- Rub (Newkirk, Intermittend rub,...)
- Thermal unbalance of the shaft
- Blade loss
- Vibrations due to unbalance following to assembly problems
- Asynchronous vibration due to instabilities in the oil film
- Steam whirl
- Effect of alignment on vibrations

PARTICULAR ASPECTS

This course will provide technical and practical training in the areas of rotating machine vibrations. A basic vibration knowledge is necessary to follow this course.

RESPONSIBLE

koenraad.debauw@laborelec.com
T. + 32 (0)2 382 05 75

Laborelec Belgium
Rodestraat 125
1630 Linkebeek
Belgium
T. +32 2 382 02 11
F. +32 2 382 02 41

RPR/RPM Brussels 0400.902.582
BTW/TVA BE 0400 902 582

www.laborelec.com
info@laborelec.com

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Responsible editor: Bart Boesmans