

Vibratory behaviour in turbogroups: vibrations in general

■ Objective

Rotating machines and mechanical structures are subjected to continuous stress that is likely to initiate vibrations, the extent of which may lead to serious damage.

This module describes the basic principles of the vibration theory, with specific emphasis on the vibratory behaviour of rotating machines. This module is a prerequisite for the two other modules.

■ Target group

The level and the course contents are adapted to the participants (e.g. maintenance or operations)

■ Duration

1 day

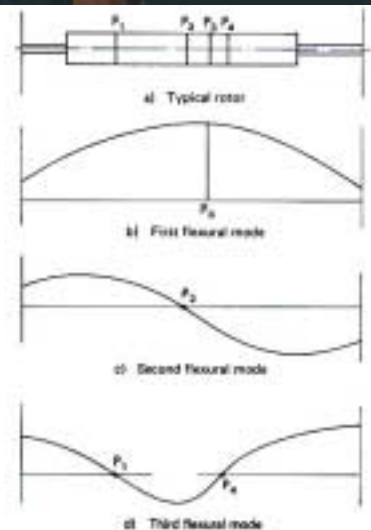
■ Content of the training

- Basic notions of the vibration theory
- Sensors and measurement methods
- Rotating machine vibrations
- Notions of resonance and critical speed
- Synchronous and asynchronous vibration
- Overview of existing standards

■ Particular aspects

This course will provide technical and practical training in the areas of rotating machine vibration. Practical training can be arranged using rotating machines designed for laboratory use.

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