> Vibratory monitoring of rotating machines with the CTMO®

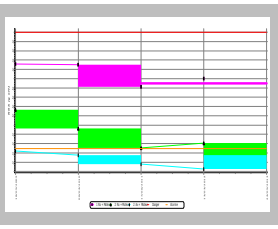
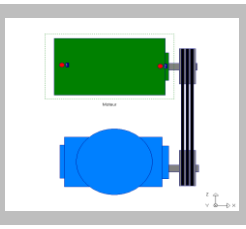
> When and why?

- Complex machines
- Slow-speed machines
- Isolated site
- Immediate opinion
- Rear base analyses

> The results

- Advanced analysis by expert in rear base
- Quick recording via 4 channels
- Centralized transfer of data
- Simple real-time indicators
- An expert by your side



> Principle

It is based on measurements taken on site by the customer or by Dynae, and the data being analysed in the rear base by the experts at Dynae. This method is made very efficient by the fact that the CTMO® records the raw vibratory les signals, instead of directly measuring spectra or overall levels like usual data collectors do. The expert at Dynae thus has complete signals to carry out the processing operations he required to perform the diagnosis.

> Taking measurements

The CTMO® is a time signal collector developed by Dynae which records the vibrations in real time on 4 channels, like a recorder. The operator monitors the rounds scheduled and can add additional measures. The screen displays the vibratory signals and various monitoring indicators.

> Preliminary diagnosis in real time

During the measurement, the display of the overall levels with the history of the two previous measurements and the comparison at the comparison at the thresholds alerts that there is an anomaly.

Viewing the spectrum makes it possible to identify the origin of the levels. Thus, the operator detects on site any significant change and identifies the machines with an alarm.

> An expert by your side

The signals from the machines which require it are sent to Dynae to carry out the health check on the equipment, the fault diagnosis and provide recommendations. In order to do so, the expert uses DynamX® making it possible to post-process the time signals according to a predefined programme, or in a personalised manner. The report is sent in the form of a summary table, and diagnosis sheets per machine.

DYNAE

> Vibratory analysis
> Electrical analysis
> Infrared thermography
> Instrumentation and sensors
> Software
> Training

Head office
Parc technologique Nord
29 rue Condorcet
38090 VILLEFONTAINE - France
Tel. : +33 (0)4 74 99 07 10
E-mail : contact@dynae.com

Branches :
Centre-IDF-Nord, Est, Sud-Ouest, Sud-Est, Ouest, Rhône-Alpes

Some DYNAE references in the field of vibration monitoring

✶ Measurements and analyses by the site

ARCELOR MITTAL AREVA
TA
EDF DTG
SANOFI MELOX COLAS
PHOTOWATT
ASCOMETAL

✶ Measurements by the site and analyses by Dynae

DALKIA BERLUCCHI
LYONDELL BASEL LILLY
LAFARGE NIGERIA
SEQUARIS
SETIC

✶ Measurements and analyses by Dynae

AIR LIQUIDE BASF
EDF