Vibration Analysis

TEVA

Overview

"Vibration can be defined as simply the cyclic or oscillating motion of a machine or machine component from its position of rest".

Of course, it's natural for machines to vibrate. Even machines in the best of operating conditions will have some vibration because of small, minor defects. Therefore, each machine will have a level of vibration, which may be regarded as normal or inherent. However, when machinery vibration increases or becomes excessive, some mechanical trouble is usually the reason. Vibration does not increase or become excessive for no reason at all. Something causes it - unbalance, misalignment, worn gears or bearings, looseness etc.

Our predictive maintenance staff are fully conversant with ENTEK products. We believe the ENTEK software is probably one of the best packages on the market today; the programme has some of the most cost-effective labour saving utilities.

Advice

During the setting-up of the system we will offer advice on the most effective items to be monitored. We also offer advice with regards to the items of your plant, which may be difficult to reach or are guarded for safety reasons but require monitoring, when this is the case hard-wired remote accelerometers can be used.

Audit

Our Engineers will carry out an audit of your plant and assess your requirements, issuing a report with recommendations.

Summary

Regardless of the application, predictive maintenance, quality control, field service, etc., vibration detection and analysis techniques do work. Making them work requires the proper vibration measurement and analysis equipment. Equally important, if not more so, is the **vibration technician** - an individual properly trained to use the equipment effectively.

prevention is better than cure