



*Never Underestimate the Power of Total Commitment*

## Vibration Analysis

### Reduce Unplanned Downtime and Operating Costs



Vibration analysis is the cornerstone of any preventative maintenance program. A proven method of predictive maintenance, this "real time" testing can be done without impacting your operation by performing the analysis during normal production time.

Our program is designed as follows: The equipment's vibration signature becomes the baseline for your decision-making process. When results are regularly obtained and compared against past readings, machine health can be measured and potential failures can be predicted.

When a problem occurs, it is critical to quickly identify the source and take corrective measures. Our state-of-the-art diagnostic techniques will save you money and downtime.

Vibration Analysis can be done to virtually all rotating equipment including motors, pumps, gearboxes, and HVAC equipment.

#### Service Contract

When you purchase a one year contract, you receive:

- Preferred pricing
- Scheduling priority on Site Based Services

**Service 24 hours a day, 7 days a week**

CERTIFIED  
**SERVICE**  
PROVIDER

RELIANCE  
ELECTRIC



# Vibration Analysis and Monitoring

## Vibration Monitoring

Vibration monitoring establishes a scientific history of the running condition of rotating machinery. There is no better criteria to insure mechanical operational soundness. State-of-the-art computer assisted data collection provides critical detail in a fraction of the time. Companies that use this method have the following advantages:

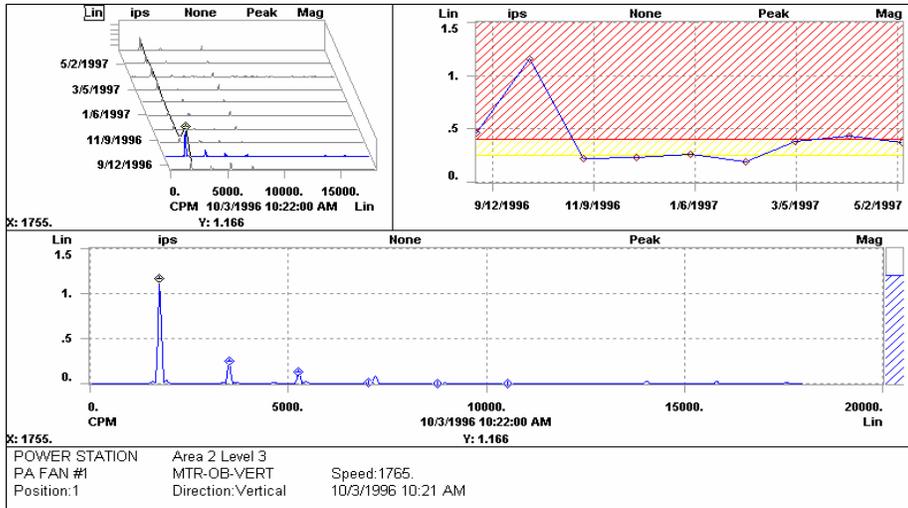
- Improved time allocation management
- Longer production runs
- Higher quality
- Less unplanned downtime
- Less spare parts inventory
- Less overhaul

## Vibration Analysis

Our highly trained field technicians, using a high resolution vibration spectrum analyzer, will quickly pinpoint the cause of any rough running machinery. Misalignment and rotor imbalance, the most common problems, are easily adjusted. Bearings are analyzed for wear and the life span is calculated to establish a schedule of maintenance or repairs.

## Corrective Measures

The use of vibration analysis will show you the potential for problems long before a failure occurs. This will allow you to schedule routine maintenance that fits your operating plan. With the bearing analysis potential failure is uncovered so that other mechanical components are essentially unaffected. Parts are less likely to seize and repairs can be completed in a fraction of the time.



## Benefits

Instituting a vibration analysis program will save time by performing routine maintenance and repairs on your schedule. You will save even more by taking advantage of our annual service contract option.



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