

SPECTRUM ANALYSIS

Operational objectives:

- Assist users with the methodology ExpertALERT® for automated vibration analysis to quickly, accurately and massively perform the analysis, diagnosis and recommendations of vibration spectra.
- Establishment of reference spectra, fault frequencies, baselines with computer aided diagnostics
- The scope of service covers all types of drivers, such as electric motors, gas and hydro turbines and internal combustion engines.
- The scope of service includes intermediate devices such as gearboxes, rigid and flexible couplings, fluid couplings, chains and pulleys-belts.
- The scope of service includes the analysis of vibration spectra:
 - Pumps: centrifugal, screw, vane and piston
 - Compressors: centrifugal, screw, vane and piston.
 - Fans
 - Generators
 - Spindles
 - Mills (worked empty)

Methodology:

- Planning the scope of equipment and on which location is going to take place tests and procedures
- Establishment of training time
- One day training eight hours in the technologies used in the analysis of vibration spectra, indicated in the Operational Objectives and procedures on how to apply spectrum analysis with our advice.
- Support in the formulation of procedures of vibration spectrum analysis.
- Establish maximum allowable limits for each type of equipment in each application.
- Establishment of the frequency of vibration spectrum analysis

Logistics:

Duration: Depending on the number of equipments planned to be covered in this service

Price: \$3,800 per working day

*Notes: Expenses of above mentioned services do not include airfare tickets, lodging and food of Relimans LLC's technicians.
Written reports with recommendations and observations: \$5,000 per working week (five days a week).
Travel time cost of our technicians is \$1,000 per day per technician.*