

## THERMAL ANALYSIS

### Operational objective:

- To assist users in thermal analysis to accurately and safely implement a thermographic analysis.
- Training of one or more technical staff in the use and setup of their thermographic equipment, for subsequent registration of thermal images in the field.
- Assistance in the field in making reliable and safe thermal readings.
- 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 recording of thermal images:
  - Pumps: centrifugal, screw, vane and piston
  - Compressors: centrifugal, screw, vane and piston.
  - Fans
  - Generators
  - Spindles
  - Mills
  - Motor Control Centers, Switchgears, Breakers,
  - High, medium and low voltage lines.
  - Steam traps
  - Valves
- Assist in preparing technical reports Analysis of Thermal Imaging.
- Use of thermal imaging to improve safety and lower costs using Thermal Windows.

### Methodology:

- Planning the scope of equipment and on which locations 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 thermal images, identified in the Operational Objectives and procedures on how to apply thermal analysis of our advice.
- Support in the formulation of procedures regarding readings of thermal imaging and reporting.
- Establishment of the frequency of Thermographic Analysis

### Logistics:

*Duration: Depending on the number of equipments planned to be covered.*

**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.*