

Infrared thermography as a service



Taking the heat out of maintenance Save energy, extend running times

Application example in motor inspection

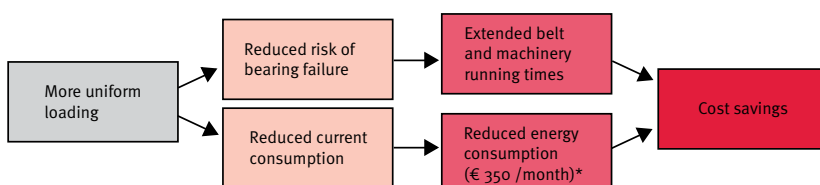
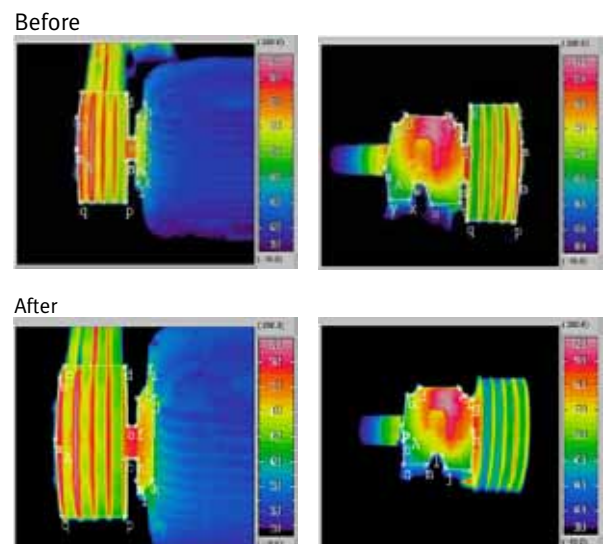
In the thermographic examination of a 55 KW motor, a hotspot was found in the area of the belt drive. This indicates non-uniform loading of the individual belts.

Measures

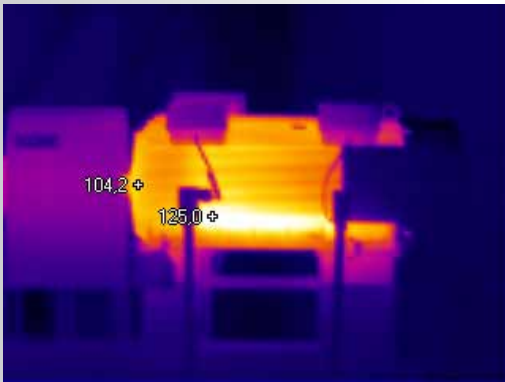
- Alignment of the drive and belt pulleys
- Setting of the optimum belt tension

Customer benefits

A repeat thermographic measurement demonstrates the success of the measures taken:



* (23 days/month, 16 hours/day, reduced current consumption of approx. 4 A)



Source of thermographic images: FLIR Systems GmbH



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Benefits of infrared thermography

Infrared thermography is not only a very effective but also an economical diagnostic method. It can be used to reliably detect variations in the thermal behaviour of an installation – without the need for any dismantling work. Regular infrared measurements also represent a reliable means of fire protection that is rewarded by many insurers.

Typical applications in industry

- Production machinery
- Electrical switchgear
- Motors
- Pipework (valve closures and damage to insulation)
- Industrial furnaces (damage to linings)
- Bearings, tooth sets, gearboxes (in combination with vibration measurements)

Our services – more than just pictures

- Problem detection with the aid of special infrared cameras
- Problem analysis (where necessary with the aid of other maintenance methods)
- Definition of measures to resolve the problem
- Support in eliminating the problem by experienced fitters

The employees of the service unit of Schaeffler Group Industrial have certification to ISO 18434, ISO 18436 and ASNT Guideline SNT-TC-1A.

Thermography is one component of the extensive portfolio for condition-based maintenance. According to the specific requirements, other services such as vibration measurement, alignment etc. can also be used on the equipment.

Interested?

Then contact

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