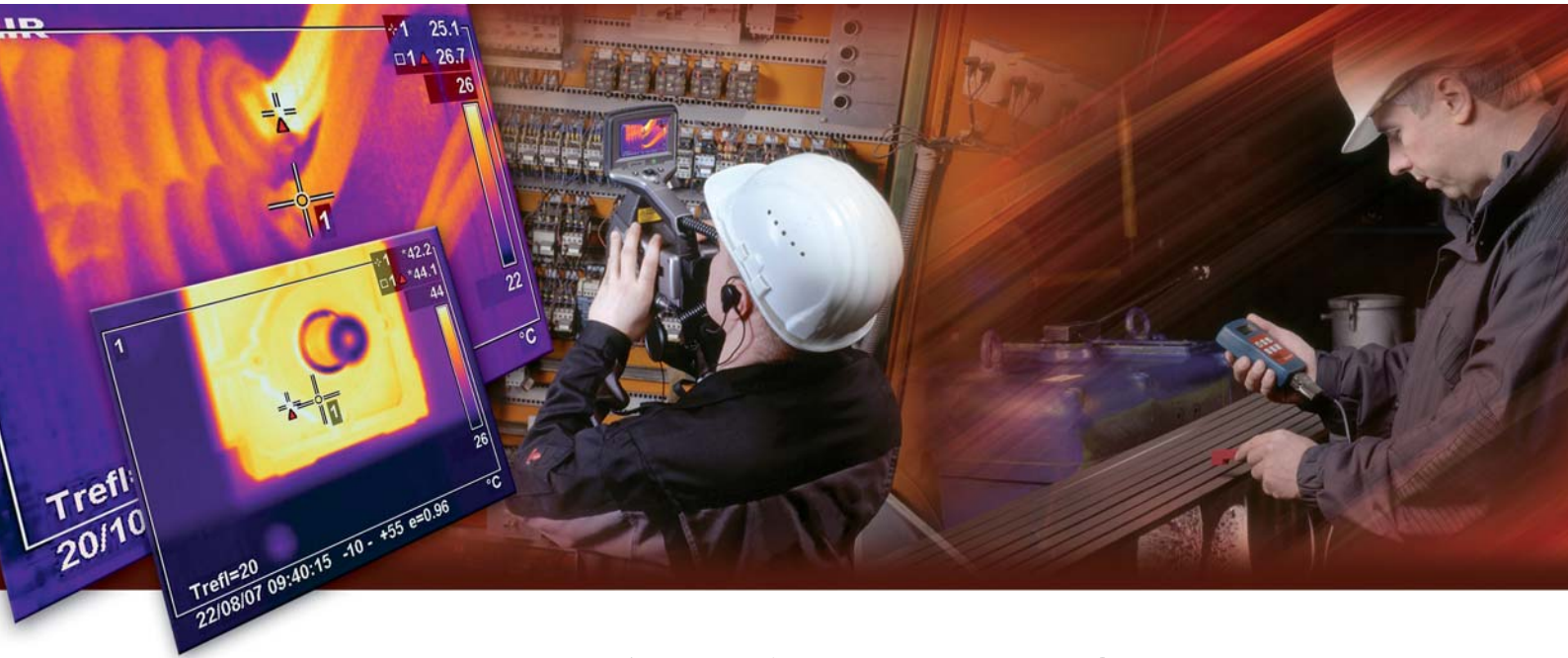


Infrared Thermography Service



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.

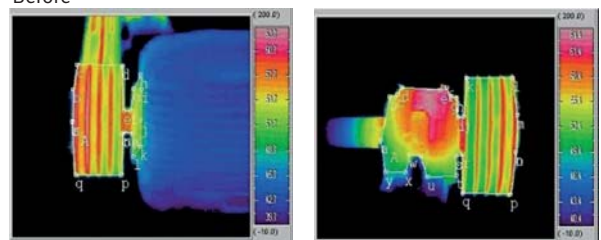
Measures

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

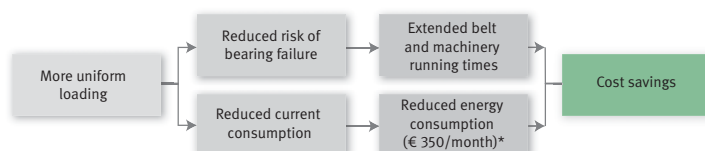
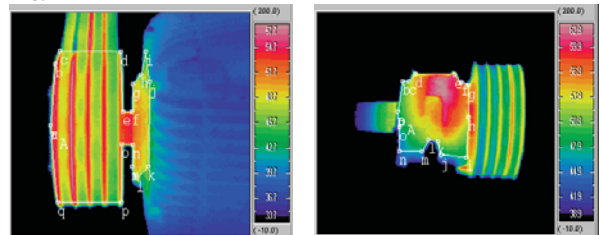
Customer benefits

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

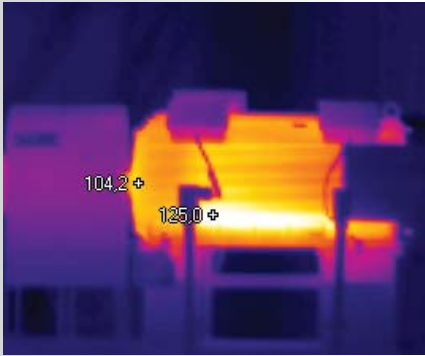
Before



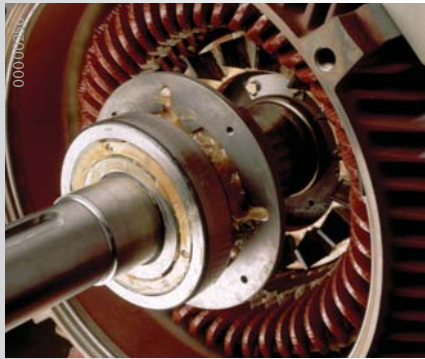
After



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



Source of thermographic images: FLIR Systems GmbH



Electric motor



Corrective maintenance - Alignment with the TRUMMY2

Benefits of infrared thermography

Infrared thermography is an effective and 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 from Schaeffler of the service unit 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.

For further information on services and FAG products, just request a copy of our catalogue!



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