

THERMOGRAPHY

Make sure equipment failures never leave you in the hot seat

NORTH AMERICAN COVERAGE

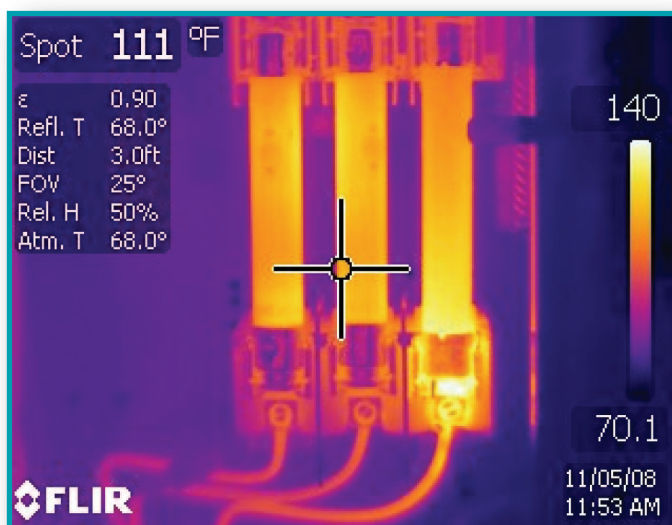


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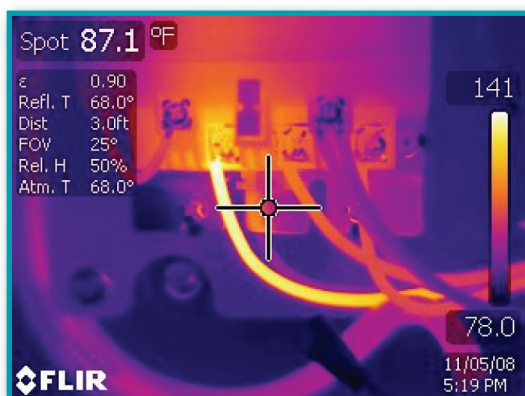
Regina, SK	306-586-0000
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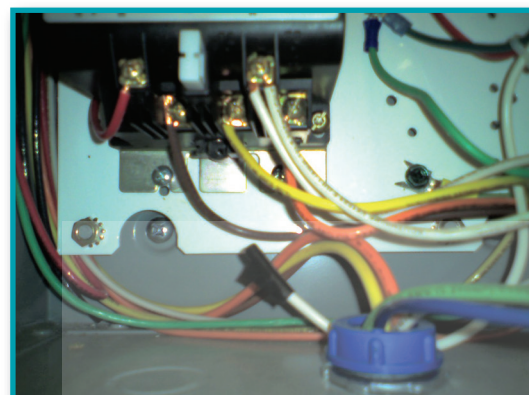
Infrared image taken of a fan disconnect shows a hot spot that's over 40°F greater than ambient temperature. Recommendation is to replace fuse and inspect clip.

Field Service specialists include thermography—or infrared inspection—in their predictive maintenance toolbox. Like all of our predictive services, thermography detects problems in their early stages, before they grow into catastrophic failures, causing losses from unscheduled downtime or emergency repairs.

Our infrared cameras reveal elevated temperatures caused by high electrical resistance or mechanical friction, mapping all of your equipment or rotating assets for a complete understanding of conditions and trends. Field Services specialists can make the necessary electrical or mechanical repairs as part of a proactive, cost-effective solution or maintenance program. This approach offers better reliability and an improved return on assets, especially when compared to a run-to-failure, repair-focused maintenance program.



Infrared image taken of a fan breaker shows a wire that's over 60°F greater than ambient temperature and other wires. Recommendation is to inspect wire and connection and repair as necessary.



- A predictive service used to reveal early stage problems
- Reveals temperature spikes caused by electrical resistance or mechanical friction
- Non-intrusive, non-disruptive
- Field service specialists combine diagnostics with on-site remediation
- Certified thermography program scales to meet your requirements

THERMOGRAPHY APPLICATIONS

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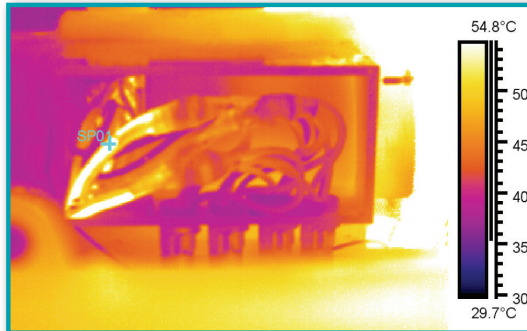
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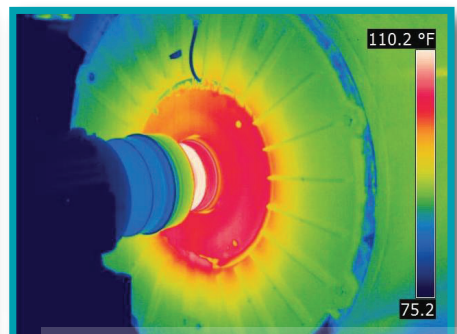
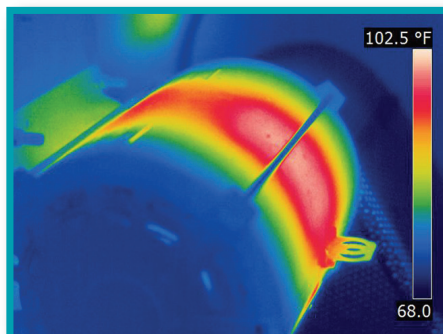
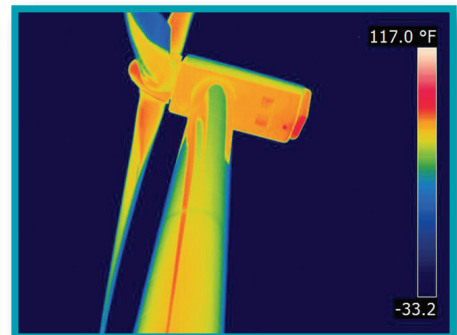


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- All rotating equipment—AC & DC motors and generators, gear reducers, mechanical components
- Electric controls and circuitry
- All production and assembly lines, ovens, robots, containers and conveyors
- Transformers (including bushings and insulators)
- Incoming power line insulators and connection points



Thermographic image identifies unbalanced temperatures in the leads of this Diesel Generator. This type of image is usually caused by something as simple as a loose connection, where incoming leads to the generator are bolted and taped to the generator winding connections.



Thermography is an essential part of a pro-active maintenance program in the Wind Power industry. The above infrared images capture normal temperature profiles of the wind turbine, wind generator and generator bearing.

If you're in the hot seat because of problems caused by unscheduled downtime, stock-outs or emergency repairs, talk to your local sales representative or visit us at www.ips.us.