

# Thermography inspection



Energy lives here<sup>SM</sup>

- ▶ Through thermographic inspections, experienced engineers collect operating temperature data and identify potential equipment and lubricant issues to help avoid costly downtime and enhance operating conditions.

## Description

Our engineers inspect and document the temperature and condition of critical plant equipment and processes. They use inspection and temperature data to locate and eliminate potential problems. This service complements your existing condition monitoring programs, such as oil analysis and vibration measurements, by correlating temperature data with actual visual inspections.

## Application

We work with you to:

- Schedule periodic thermographic inspections
- Identify equipment that indicates problems
- Collect thermographic data and record observations on critical equipment
- Photograph the components
- Communicate results to plant personnel
- Present complete report to top plant management and key personnel

## Potential benefits



Reduced unscheduled downtime



Enhanced equipment productivity



Reduced component replacements



Safety and environmental enhancements



Reduced maintenance costs



Enhanced maintenance control

# Thermography inspection



**Deliverable:** An Engineering Service Report outlines conditions found, recommended corrective actions, improvements to operational and maintenance procedures and estimated value of the service. The report includes photographs and tables as appropriate.

## Common opportunity areas

- Incorrect lubricant or inadequate lubricant flow
- Lack of optimum oil temperatures
- Steam leak or temperature variations in components
- Misalignment
- Desire to extend oil drain interval
- Filtration practices

## Safety, health and environment

Our field engineers are attuned to the hazards of handling, storing and using petroleum products, and strictly observe safety and environmental rules and ExxonMobil safety practices. They coordinate efforts through designated plant personnel — verifying electrical and mechanical lockout and proper tagging prior to working on equipment, and providing recommendations to help reduce hazards.

Industrial  
Lubricants



**Advancing  
Productivity™**

By helping you enhance equipment life and reliability — which reduces maintenance costs and downtime — our expert services can help you achieve your safety, environmental care\* and productivity goals.

\* Visit [mobilindustrial.com](http://mobilindustrial.com) to learn how certain Mobil-branded lubricants may provide benefits to help reduce environmental impact. Actual benefits depend upon product selected, operating conditions and applications.

© 2016 Exxon Mobil Corporation. All rights reserved.  
All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its affiliates unless otherwise noted.