

Thermography inspection



Energy lives here™

- ▶ 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



Minimized unscheduled downtime



Enhanced equipment productivity



Minimized component replacements



Safety and environmental enhancements



Minimized maintenance costs



Enhanced maintenance control

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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 minimizes maintenance costs and downtime – our expert services can help you achieve your safety, environmental care and productivity goals.