



Save Energy & Protect Your Investment



PREDICTIVE MAINTENANCE

Predictive Maintenance

Energy savings are on the top of every building manager's list these days and our predictive maintenance plan can help your facility reduce it's impact on the environment. Our plan can also help protect your investment by finding potential threats to your HVAC system before they cause major downtime. Damuth Trane's predictive maintenance plan includes:

- Vibration Analysis
- Laser Alignment
- Fan Balancing
- Oil Analysis
- Eddy Current Testing
- Infrared Inspection

Vibration Analysis

Testing rotating equipment to identify imbalance, misalignment, wear, looseness corrosion and cracks.

Laser Alignment

Evaluates existing alignment conditions and provides quick alignment procedure.

Fan Balancing

Fan blades get out of balance for many reasons; however, this imbalance can cause pre-mature bearing wear, shaft damage, belt failure and metal fatigue.

Oil Analysis

Evaluates oil samples for solids, metals, dirt and debris - all elements can cause bearing wear, metal fatigue and inefficient operation.

For every dollar you spend on predictive maintenance, you can save up to \$15 in energy costs.



The photo above shows mis-aligned pulleys.

Infrared Inspection

Infrared (IR) thermography is used to create images that highlight mechanical or thermal stress in components that are subject to failure due to overheating.

Eddy Current Testing

Non-destructive testing method to check for cracks, pits or other abnormalities in chiller tubes/barrels using electromagnetic signals.



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