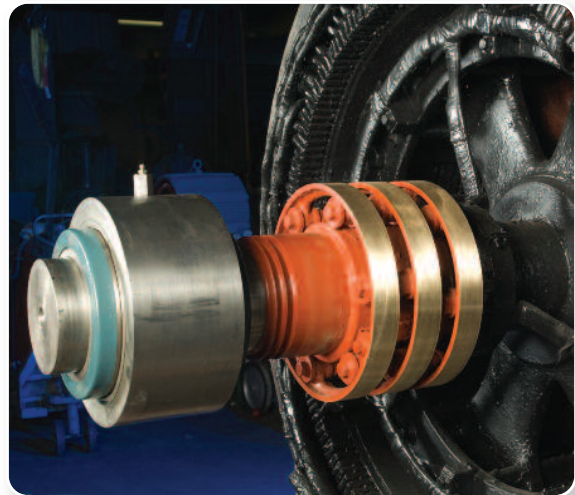


# Enhanced Motor Reliability Repair Options

- Post repair baseline PdMA motor circuit analysis
- Enhanced Bearing Life
  - Shaft Current Protection
  - Bearing Temperature Monitors
  - Automatic lubricators
- Contamination prevention
  - Shaft seals
  - Bearing Isolators
  - Moisture
- Additional warranty options
  - Extended warranty
  - In-service warranty



Emergency Service – Monitored 24 hours a day

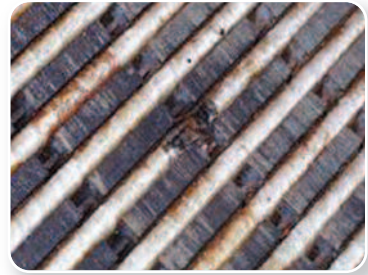
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# Enhanced Motor Reliability Service Options

- **Motor Circuit Analysis (Online/Offline):** The most powerful reliability technology for evaluating the health of an electric motor.
- **Vibration analysis:** The foundation of rotating equipment reliability.
- **Infrared Thermography Survey:** Nonintrusive electrical circuit overload detection.
- **Oil Analysis:** ASTM evaluation and identification of oil condition, contamination and bearing wear.
- **Laser Alignment:** Maximum equipment life cycle begins with precision equipment alignment.
- **Dynamic Balancing:** State of the art in-place equipment balance evaluation and correction maximizes in service life.
- **DC Motor Maintenance:** Brush inspection/ replacement, commutator inspection/recondition & overall DC machine health assessment
- **Electronic drive maintenance:** OEM grade preventative maintenance and analysis
- **Electric Current Discharge Survey:** Non-contact detection of electrical current discharge condition of VFD driven motors; predictive detection of bearing fluting.
- **Root Cause Failure Analysis:** Identification of the human, systems and mechanical elements of any failure is essential to the reliability process.
- **Installation, Commissioning and Startup:** Turnkey solution incorporating our full menu of reliability services ensures your confidence in the operational readiness of the motors placed in our trust.
- **Motor Reliability Management Programs:** Complete customized motor reliability solution ensuring overall plant and equipment readiness.



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