

## Maintenance Log Entry

- **Date:** 2025-02-04
  - **Technician:** Pat H.
  - **Machine Type:** CNC Lathe (Model: LT-150)
  - **Failure Type:** Excessive Load Condition
  - **Error Code:** OSF-009
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### Symptoms:

- Increased vibration and occasional spindle stalling during operations.
  - Irregular feed rates and a slight drop in machining precision.
  - Intermittent error alerts on the control panel.
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### Diagnostic Steps:

1. Reviewed torque and vibration data; observed values exceeding safe limits.
  2. Inspected drive components and mechanical linkages for signs of stress.
  3. Verified operational settings (feed rate and spindle speed) against manufacturer recommendations.
  4. Examined system logs for load-related anomalies.
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### Final Resolution:

- Adjusted feed rate and reduced spindle speed to lower mechanical stress.
  - Tightened mechanical connections and applied lubrication to moving parts.
  - Cleared error code OSF-009 and confirmed stable operation with a brief test run.
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### Recommendations:

- Perform regular checks on load and vibration levels during operations.
  - Maintain operational settings within safe parameters.
  - Schedule periodic maintenance on drive components and load-bearing parts.
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*End of Log Entry*