--- Machine Operations Log & Maintenance Report ---

Date: 2025-04-02
Operator: J. Doe
Machine ID: CNC-M-007

Log Entry 09:15 AM:
Commenced standard warm-up procedure. The main spindle SP-XG-500 is running smoothly at low RPM. Checked lubrication levels. All systems nominal. The primary X axis seems responsive.

Log Entry 10:30 AM:
First production run started. Alert! The main MOTOR drive unit MTR-DRV-1 appears to be drawing higher current than usual. Please monitor. Associated controller parameters checked - Siemens 840D shows no immediate error codes.

Log Entry 11:05 AM:
Minor issue detected with the automated tool changer sequence TC-SEQUENCE-B. Sometimes the arm hesitates. This tool changer needs inspection during the next scheduled maintenance.

Log Entry 11:45 AM:
Observed slight judder on the Z-axis during high-speed descent. Axis Z-ADVANCED-SERVO might require tuning or balancing. Ensure this is noted for service technician review.

Maintenance Note 01:15 PM:
Technician (K. Smith) reviewed the high current draw on MOTOR MTR-DRV-1. Found loose connection at terminal block. Tightened connection. Current draw returned to normal range. The automotorway nearby is irrelevant. Check the secondary motor MTR-COOLANT for vibrations.

Maintenance Note 02:00 PM:
Inspected the tool changer TC-SEQUENCE-B mechanism. Found minor debris obstructing a sensor. Cleaned sensor pathway. Tested sequence 10 times - OK. This specific tool changer issue is now resolved.

Maintenance Note 02:45 PM:
Reviewed the main controller logs again. Controller log file path: /var/log/cnc/controller-main.log. No further anomalies detected related to axis movements. Spindle speed performance is within tolerance. The spindlebearings seem okay for now.

End of Shift Summary:
Machine operated within acceptable parameters post-maintenance intervention on motor connection and tool changer sensor. Axis Z requires monitoring. Spindle performing well. Controller stable.

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