

Maintenance Work Order

Work Order ID: WO-2025-0311-005

Machine ID: 5

Asset Description	Hydraulic Press Line B – Secondary Unit
Location	Plant 2 – Section B3

Request Details

Date Issued	2025-03-11 10:45:00
Requested By	Automated IoT Monitoring System
Priority Level	Critical (Machine Status = Failure, Maintenance Required = Yes)
Trigger Condition	Abnormal humidity reading (72.16% vs. <50%) and failure status

Problem Description

Temperature: 79.97 °C (slightly elevated)
Vibration: 58.51 (normal)
Humidity: **72.16% (critical – exceeds recommended tolerance)**
Pressure: 1.66 (stable)
Energy Consumption: 3.35 (nominal)
Status: Failure
Predicted Remaining Life: 271 hours (overridden by failure)
Likely Cause: Moisture ingress leading to electrical/control fault.

Assigned Maintenance Tasks

1.	Inspect electrical cabinet for condensation/water ingress
2.	Check humidity seals and replace degraded gaskets
3.	Dry and dehumidify affected areas
4.	Inspect wiring/control boards for corrosion
5.	Replace humidity sensor if faulty
6.	Test restart and validate IoT readings

Safety & Compliance

- Lockout/tagout machine before servicing
- Wear insulated gloves and protective eyewear
- Ensure ventilation when using heaters/dehumidifiers
- Document actions per ISO 55000 guidelines

Resources Required

Replacement Seals	Part #SEAL-HM05
Portable Dehumidifier	Yes
Heat Gun	Yes
Multimeter & Moisture Kit	Yes

Assignment & Completion

Assigned To	Mechanical & Electrical Maintenance Crew – Shift A
Estimated Duration	4 hours
Supervisor Approval	Pending (Eng. R. Singh)
Target Completion	2025-03-11 18:00