

Company Name: _____

Maintenance Forms & Logs

Date: _____

Log ID: _____

Version: 1.0

Industrial Air Compressor Preventive Maintenance Schedule Log

1.0 Form Objective & Asset Scope

This preventive maintenance log is designed to track the scheduled service of industrial air compressors (rotary screw and reciprocating types) used in manufacturing and facility operations. Proper compressor maintenance ensures reliable compressed air supply, reduces unplanned downtime, extends equipment life, and maintains energy efficiency. This log supports compliance with OEM service intervals and internal reliability standards.

2.0 Administrative & Asset Details

Date: _____

Technician Name: _____

Machine ID / Asset Tag: _____

Compressor Model: _____

Hour Meter Reading (Start): _____

Hour Meter Reading (End): _____

PM Interval (e.g., 250h / 500h / 1000h): _____

3.0 Inspection / Parameter Checklist

- ☐ Pass ☐ Fail - Check compressor oil level and top up to full mark if required.
- ☐ Pass ☐ Fail - Inspect oil filter condition and replace if due per interval.
- ☐ Pass ☐ Fail - Inspect air filter element; clean or replace as needed.
- ☐ Pass ☐ Fail - Check belt tension and alignment; adjust or replace if worn.
- ☐ Pass ☐ Fail - Drain moisture from receiver tank and verify auto drain trap operation.
- ☐ Pass ☐ Fail - Inspect all hoses and fittings for leaks, cracks, or abrasion.
- ☐ Pass ☐ Fail - Verify safety relief valve is free and not leaking.
- ☐ Pass ☐ Fail - Record discharge air temperature (should be within OEM range).
- ☐ Pass ☐ Fail - Record system operating pressure and compare to setpoint.
- ☐ Pass ☐ Fail - Test emergency stop button and automatic shutdown functions.
- ☐ Pass ☐ Fail - Check for unusual vibration or noise during operation.
- ☐ Pass ☐ Fail - Clean exterior of compressor and surrounding area of debris.

4.0 Deficiencies & Work Order Generation

Issue Description: _____

Parts Required: _____

Work Order Number: _____

Priority (Low / Medium / High / Critical): _____

Follow-up Action Required: _____

5.0 Sign-off & Return to Operations

Maintenance Technician Signature: _____ Date: _____

Reliability Manager Review: _____ Date: _____

Operations Supervisor Acknowledgment: _____ Date: _____

Regulatory Disclaimer: This maintenance log is a generic template. The end-user assumes all liability for validating all inspection parameters, PM frequencies, and tolerances against specific OEM machinery manuals before active shop floor deployment.