



Preventive Maintenance Checklist for Industrial Air Compressors

Print and post this checklist in your compressor room. It supports correct in-house preventive maintenance and helps indicate when professional service is recommended.

How to use: Perform the listed checks at the recommended frequency. If warning signs appear or persist, schedule a professional preventive maintenance inspection.



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Task Category	Maintenance Task	Frequency	Responsible	What Normal Looks Like	Warning Signs	Action Required
Visual	General inspection	Daily	Operator	Clean surfaces, stable operation, no visible leaks.	Oil stains, loose fittings, abnormal vibration.	Clean and re-check; escalate if it persists.
Lubrication	Oil level and condition	Daily	Maintenance	Level within range; oil looks clear/light.	Low level, milky or foamy oil, frequent top-ups.	Top up only if approved; schedule inspection if abnormal.
Moisture	Drain condensate	Daily	Operator	Clear water; consistent daily volume.	Oily condensate, irregular volume, water downstream.	Check drains and dryer performance; inspect if recurring.
Filtration	Air intake filter check	Weekly	Maintenance	Light dust; no performance change.	Heavy clogging, rising operating temperature.	Clean or replace filter; verify airflow.
Mechanical	Belt condition and tension	Weekly	Maintenance	Even tension; no cracking or fraying.	Slipping noise, cracks, uneven wear.	Adjust per specification or replace belt.
System	Pressure stability observation	Monthly	Maintenance	Stable pressure; smooth load and unload behavior.	Fluctuations, delayed response to demand changes.	Leak survey and diagnostics; inspect if unresolved.
Air Quality	Dryer performance check	Monthly	Maintenance	Dry air at point of use; stable dew point.	Moisture in lines, corrosion, water accumulation.	Service dryer and filtration; verify air quality.
Internal	Component inspection and validation	Quarterly	Service	Normal wear; documented findings.	Oil carryover, recurring faults, abnormal wear patterns.	Schedule preventive maintenance inspection.