OpsAuditHub opsauditihub.com	DOC ID: **SAF-0143**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **OSHA 29 CFR 1910.169 and ASME BPVC Section VIII**	AUDIT FREQUENCY: **Daily Pre-Shift**

Air Compressor Inspection Inspection Checklist

Operational Scope: This checklist establishes the mandatory daily pre-shift inspection protocol for industrial air compression systems to mitigate catastrophic pressure vessel failures and pneumatic hazards. Compliance with this procedure ensures adherence to OSHA safety regulations and maintains optimal operational integrity across manufacturing facilities.

MANDATORY PPE:	Safety Glasses (ANSI Z87.1), Steel-Toe Boots (ASTM F2413), Hearing Protection (NRR 25+), Heavy-Duty Work Gloves, High-Visibility Safety Vest
PREREQUISITES:	Verify system is powered on and operating within normal parameters or properly locked out for maintenance. | Ensure immediate work area is clear of trip hazards, combustible materials, and unauthorized personnel. | Review previous shift logs for any reported anomalies or unresolved maintenance flags.

VISUAL & STRUCTURAL INTEGRITY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Air Receiver Tank**	Tank exterior is free of severe rust, dents, bulge deformation, or structural compromise along welds.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Pressure Relief Valve (PRV)**	PRV pull-ring mechanism moves freely and is free of paint, corrosion, or physical tampering.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Hoses, Piping, and Fittings**	All pneumatic lines, rigid piping, and joints show no signs of active air leaks, bulging, or fraying.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
4	**Drive Belts and Guards**	V-belts maintain correct tension without excessive fraying; all safety belt guards are securely fastened in place.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

OPERATIONAL CONTROLS & FLUID SYSTEMS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Oil Level Sight Glass**	Compressor lubricant level is visible within the optimal operating range (middle to upper third of sight glass).	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Pressure Gauges and Switches**	Gauges read accurately at zero when depressurized and match operational cut-in/cut-out setpoints.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
7	**Condensate Auto-Drain System**	Moisture separator and automatic drain trap function correctly to purge accumulated water and oil from the tank.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Emergency Stop (E-Stop) Button**	E-stop button is unobstructed, clearly marked, and successfully cuts power to the motor when engaged.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

Certified Inspector / Lead Operator Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Site Safety Supervisor / Operations Manager Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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