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	STANDARD: **OSHA 29 CFR 1910.169 & ASME BPVC Section VIII**	AUDIT FREQUENCY: **Monthly Audit**

Air Compressor Inspection Compliance Checklist

Operational Scope: This checklist outlines the mandatory inspection criteria for industrial air compressor systems to mitigate catastrophic pressure vessel failures and pneumatic hazards. Compliance with this audit protocol ensures adherence to OSHA pressure safety standards and maintains operational integrity.

MANDATORY PPE:	Safety Glasses (ANSI Z87.1), Steel-Toe Boots (ASTM F2413), Hearing Protection (NRR 25+), Cut-Resistant Work Gloves, High-Visibility Vest
PREREQUISITES:	Verify system LOTO (Lockout/Tagout) status before performing internal mechanical inspections. | Ensure the surrounding operating area is clear of unauthorized personnel and slip hazards.

PRESSURE VESSEL & SAFETY RELIEF VALVE INTEGRITY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Receiver Tank Exterior**	Tank surface must be free from heavy corrosion, deep pitting, bulges, or unauthorized weld repairs.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Pressure Relief Valve (PRV)**	Valve must be certified, unblocked, free of paint/corrosion, and the manual test lever must operate freely without binding.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Pressure Gauge Calibration**	Gauge face must be legible, undamaged, and pointer must return cleanly to zero when system is depressurized.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

MECHANICAL, ELECTRICAL, & DRIVE SYSTEMS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Drive Belts & Guards**	Belts must show no excessive fraying or cracking with proper tension; safety guards must be securely bolted in place with zero gap exposure.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
5	**Auto-Drain & Condensate Trap**	Drain system must actively discharge moisture without clogging to prevent internal vessel corrosion and carryover.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Electrical Enclosure & Wiring**	Control panel door must be latched securely, gaskets intact, and internal wiring free of loose terminals or burn marks.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

OPERATIONAL ENVIRONMENT & AIR QUALITY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
7	**Compressor Room Ventilation**	Intake louvers and exhaust fans must be fully operational to maintain ambient room temperature within manufacturer specs.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Oil Level & Leak Inspection**	Crankcase oil level must be within operating sight glass parameters with zero pooling oil or active pneumatic line leaks.	**Standard**	**[ ] 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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