OpsAuditHub opsauditihub.com	DOC ID: **SAF-0146**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **OSHA 29 CFR 1910.169 & ASME BPVC Section VIII**	AUDIT FREQUENCY: **Daily Pre-Shift**

Air Compressor Inspection Daily Log Sheet

Operational Scope: This daily operational log establishes mandatory pre-shift verification parameters for industrial air compression systems to prevent catastrophic pressure vessel failure. Compliance mitigates physical and pneumatic hazards, ensuring absolute adherence to OSHA safety mandates across the facility.

MANDATORY PPE:	Safety Glasses (ANSI Z87.1), Hearing Protection (NRR 25+), Steel-Toe Boots (ASTM F2413), Industrial Work Gloves, High-Visibility Vest
PREREQUISITES:	Verify area surrounding the compressor unit is clear of slip, trip, and obstruction hazards. | Ensure system is energized and gauge cluster is illuminated without active error codes. | Review previous shift's log sheet to confirm all prior corrective actions were signed off.

VISUAL & FLUID LEVEL VERIFICATION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Oil Level Sight Glass**	Oil level must be visible within the upper 50% to 75% of the sight glass. No milky discoloration indicating moisture contamination.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
2	**Drive Belts & Pulleys**	Belts must show no signs of severe fraying, cracking, or glazing. Deflection under thumb pressure must not exceed 1/2 inch.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A
3	**Intake Air Filter**	Filter service indicator is in the green zone. Housing is securely latched without external dust bypass leaks.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A
4	**Compressor Enclosure & Ventilation**	Cabinet acoustic panels are secure, and cooling louvers are free of dust, cardboard, or debris obstruction.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A

MECHANICAL & SAFETY SYSTEM CHECKS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Pressure Relief Valve (PRV)**	Manual test ring/lever operates smoothly without sticking. Valve body shows no corrosion, scaling, or unauthorized tampering seals broken.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
6	**Receiver Tank Integrity**	External tank surface shows zero signs of bulging, deep pitting, weld seam cracking, or active rust oxidation.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
7	**Auto-Drain Trap System**	Condensate auto-drain cycles correctly and discharge lines are clear. No excessive water pooling observed in the receiver tank drain leg.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A

OPERATIONAL PERFORMANCE & GAUGES

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
8	**Operating Pressure Gauges**	System and line pressure gauges read accurately. Needles return to zero when depressurized and show no internal condensation fogging.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
9	**Pneumatic Piping & Hoses**	All discharge lines, fittings, and flexible hoses are free of audible air leaks, vibration wear, or bulging segments.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
10	**Emergency Stop (E-Stop) Button**	Depressing the E-Stop instantly cuts power and halts compressor operation. Latch mechanism resets properly when pulled.	**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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