OpsAuditHub opsaudithub.com	DOC ID: **SAF-0061**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **OSHA 29 CFR 1926.602 & ISO 45001**	AUDIT FREQUENCY: **Daily Pre-Shift**

Heavy Equipment Pre Start Daily Log Sheet

Operational Scope: Mandatory daily pre-shift inspection for all heavy earthmoving and lifting machinery operating on OpsAuditHub construction sites. Designed to identify critical mechanical or structural defects before operation to prevent catastrophic structural failure, employee injury, and OSHA non-compliance.

MANDATORY PPE:	Hard Hat (ANSI Z89.1), Steel-Toe Safety Boots (ASTM F2413), High-Visibility Class 3 Safety Vest, Impact-Resistant Safety Glasses (ANSI Z87.1), Heavy-Duty Leather Work Gloves
PREREQUISITES:	Ensure equipment is parked on a level surface with the parking brake fully engaged and attachments lowered to the ground. | Verify engine is completely shut down and allow hydraulic systems to cool before performing close-quarters visual checks. | Place wheel chocks in position if inspecting on an incline or prior to crawling underneath articulating chassis points.

SECTION 1: WALKAROUND VISUAL & STRUCTURAL INSPECTION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Structural Chassis and Boom/Arm Welds**	Inspect frame, boom, and pivot points for fresh cracks, deep gouges, structural distortion, or missing bolts.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
2	**Tires, Tracks, and Undercarriage**	Check pneumatic tires for proper inflation, sidewall cuts, and embedded debris; inspect track tension, excessive wear, and missing grouser shoes.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
3	**Fluid Levels and Leak Detection**	Verify engine oil, coolant, hydraulic fluid, and transmission fluid levels are within operating ranges; inspect ground underneath for fresh puddles.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
4	**Safety Decals, Horn, and Backup Alarm**	Ensure all rollover protective structures (ROPS), falling object protective structures (FOPS), safety signage, and acoustic reversing alarms are fully functional and legible.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A

SECTION 2: CAB SAFETY & FUNCTIONAL OPERATIONAL CHECKS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Operator Seat Belt and Anchorage**	Inspect seat belt webbing for fraying, cuts, or chemical damage; verify buckle latches securely and retractor mechanism operates smoothly.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
6	**Dash Gauges, Warning Lights, and Monitors**	Turn ignition to ON position to confirm all diagnostic warning lights, oil pressure gauges, and temperature indicators illuminate and self-test properly.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
7	**Service Brakes and Parking Brake**	Engage parking brake and test holding capacity against low idle torque; test service foot brakes for firm pedal resistance and immediate stopping response.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
8	**Steering and Hydraulic Controls Response**	Cycle steering wheel and all hydraulic control joysticks through full range of motion to ensure smooth, responsive actuation without binding or delayed lag.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A

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

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