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	STANDARD: **OSHA 29 CFR 1928 / ASAE S318 / ISO 4254**	AUDIT FREQUENCY: **Daily Pre-Shift**

Combine Harvester Pre Harvest Safety Checklist Safety Audit Checklist

Operational Scope: This audit protocol establishes mandatory pre-harvest inspection standards for all heavy combine harvesters to prevent catastrophic mechanical failures and fire hazards. Compliance is strictly required prior to daily field deployment to protect operators and agricultural assets from severe injury.

MANDATORY PPE:	Steel-Toe Boots (ASTM F2413), High-Visibility Reflective Vest (ANSI/ISEA 107), Safety Glasses with Side Shields (ANSI Z87.1), Hearing Protection (NRR 25dB minimum), Leather Work Gloves
PREREQUISITES:	Machine parked on level ground with parking brake fully engaged | Engine completely shut down, key removed, and LOTO (Lockout/Tagout) procedures applied if servicing | Header lowered to the ground or mechanical transport locks securely engaged

1. FIRE SUPPRESSION & HAZARD SHIELDING

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Engine Compartment Debris Accumulation**	Engine bay, exhaust manifold, and turbocharger housing are completely free of dry crop residue, chaff, and combustible dust buildup.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Fire Extinguishers**	At least one fully charged 10-lb ABC dry chemical fire extinguisher is securely mounted in the cab and verified via inspection tag.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Exhaust System Integrity**	Muffler, spark arrestor, and exhaust pipes show no cracks, leaks, or loose clamps that could emit sparks onto dry fields.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**

2. MECHANICAL SAFETY & POWER TAKE-OFF (PTO) SYSTEMS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Shields and Guards**	All PTO shields, belt guards, and chain covers are securely bolted in place and undamaged with no pinch points exposed.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
5	**Feederhouse and Header Lockouts**	Header lift cylinder mechanical safety stops are operational and capable of supporting raised components during maintenance.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Drive Belts and Chains**	Variable speed belts and drive chains show correct tension, zero fraying, and proper lubrication without excessive slack.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

3. OPERATOR STATION, HYDRAULICS & ELECTRICAL SYSTEMS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
7	**Emergency Shut-Off and Controls**	All emergency stop buttons, header reverser switches, and master kill switches function immediately when tested.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
8	**Hydraulic Hoses and Fittings**	Steering and header lift lines show no signs of weeping, blistering, bulging, or active fluid leaks under pressure.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
9	**Lighting and Warning Beacons**	All field working lights, amber strobe beacons, and slow-moving vehicle (SMV) emblems are clean, visible, and fully functional.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**
10	**Brakes and Steering Responsiveness**	Service brakes and parking brakes hold firmly without pedal travel deficiency; steering linkage exhibits no excessive play.	**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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