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	STANDARD: **OSHA 29 CFR 1928 / ASAE S318 (Safety for Agricultural Field Equipment)**	AUDIT FREQUENCY: **Daily Pre-Shift**

Combine Harvester Pre Harvest Safety Checklist Inspection Checklist

Operational Scope: This combine harvester pre harvest safety checklist inspection checklist mandates systematic verification of critical mechanical, hydraulic, and fire safety systems prior to field operations. Compliance is strictly required to mitigate catastrophic machinery entanglements, high-pressure fluid injections, and harvest-season crop fire hazards.

MANDATORY PPE:	Safety Glasses with Side Shields (ANSI Z87.1), Steel-Toe Safety Boots (ASTM F2413), High-Visibility Safety Vest (ANSI/ISEA 107 Class 2), Heavy-Duty Leather Gloves, Hearing Protection (NRR 25+), Nitrile Gloves for Fluid Checks
PREREQUISITES:	Ensure the combine engine is shut off, the ignition key is removed, and all electrical circuits are isolated. | Engage the parking brake, lower all headers completely to the ground, and deploy mechanical header safety locks. | Allow all high-temperature components (exhaust, turbocharger, bearings) to cool completely prior to conducting close-proximity inspections.

1. FIRE SUPPRESSION & LIFE SAFETY SYSTEMS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Fire Extinguishers**	Verify at least one fully charged 10-lb ABC dry chemical extinguisher is mounted securely in the cab and a second unit is accessible on the service deck; pressure gauge is in the green zone and safety pin is intact.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Engine Compartment & Crop Residue**	Inspect engine bay, exhaust manifolds, and turbocharger shielding for accumulated chaff, straw, and oil residue; clean thoroughly using compressed air or water before start-up.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Emergency Exits & Cab Glass**	Ensure cab emergency exit windows open smoothly without obstruction and interior/exterior glass is clean with unbroken laminated safety panes.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

2. MECHANICAL, HEADER & DRIVE SYSTEM INSPECTION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Header Lockouts & Cylinders**	Confirm physical header locking bars are fully engaged and secure when working near raised headers; inspect hydraulic lift cylinders for weeping seals or structural fractures.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
5	**Threshing and Separation Belts**	Check drive belts, chains, and variable speed sheaves for excessive wear, fraying, proper tensioning, and alignment; verify belt guards and shields are securely bolted in place.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Feederhouse Chain & Slats**	Inspect feederhouse chain tension according to operator manual specifications and ensure no bent slats or missing hardware could cause jamming.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**
7	**Unloading Auger System**	Inspect unloading tube pivot joints, drive gearboxes, and flighting for structural integrity, abnormal play, and unobstructed rotation.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**

3. HYDRAULICS, ELECTRICAL & SAFETY SIGNAGE

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
8	**Hydraulic Hoses & Fittings**	Examine high-pressure lines and steering cylinders for signs of chaffing, bulging, or active leaks; never use bare hands to check for pinhole leaks.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
9	**Lighting & SMV Emblem**	Verify operational status of all road transport lights, high-intensity work/strobe lights, turn signals, and ensure the Slow-Moving Vehicle (SMV) emblem is clean and fully visible.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**
10	**Safety Decals & Manual Storage**	Ensure all hazard, pinch-point, and operational safety decals are legible and intact; verify the operator's manual is safely stored inside the cab container.	**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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