OpsAuditHub opsauditihub.com	DOC ID: **SAF-0240**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **FMCSA 49 CFR § 393.75 / OSHA 29 CFR 1910.178**	AUDIT FREQUENCY: **Weekly Fleet Inspection & Pre-Trip Audit**

Commercial Tire Tread Depth Log Safety Audit Checklist

Operational Scope: Establishes mandatory inspection protocols for commercial vehicle tire tread depth verification to mitigate catastrophic blowout risks. Ensures full adherence to federal commercial motor vehicle safety regulations across all operational fleet assets.

MANDATORY PPE:	Safety Glasses with Side Shields (ANSI Z87.1), Steel-Toe Safety Boots (ASTM F2413), Heavy-Duty Leather Palm Gloves, High-Visibility Reflective Safety Vest (ANSI/ISEA Class 2), Impact-Resistant Bump Cap
PREREQUISITES:	Ensure vehicle ignition is completely off, parking brakes are fully engaged, and wheel chocks are securely positioned. | Verify work bay or inspection zone is well-lit and clear of active traffic or personnel hazards. | Calibrate digital or manual tread depth gauge to zero prior to initiating measurement logging.

TREAD DEPTH MEASUREMENT & WEAR PATTERN ANALYSIS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Steer Axle Tire Tread Depth**	Tread depth must measure at least 4/32-inch across all major grooves measured in at least two adjacent tread grooves.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
2	**Drive & Trailer Axle Tire Tread Depth**	Tread depth must measure at least 2/32-inch across all major grooves on non-steer positions.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
3	**Tread Wear Regularity & Cupping**	Inspect for abnormal wear patterns, cupping, feathering, or flat spots exceeding 2/32-inch variance across the footprint.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
4	**Groove Debris & Stone Retention**	Check and clear embedded rocks, metal fragments, or debris lodged within tread grooves that could puncture casing.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

CASING INTEGRITY, SIDEWALLS, AND VALVE HARDWARE

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
5	**Sidewall Cuts, Bulges, and Splits**	Sidewalls must be free of cuts, cracks, bulges, or exposed cords that compromise structural casing integrity.	**Critical (Immediate Out of Service)**	**[ ] PASS [ ] FAIL [ ] N/A**
6	**Dual Tire Spacing & Contact**	Ensure dual wheels maintain adequate spacing to prevent sidewall rubbing, stone trapping, or uneven load distribution.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
7	**Valve Stems and Metal Caps**	Valve stems must be uncorroded, properly aligned, and fitted with secure metal valve caps to prevent air loss.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

INFLATION PRESSURE & FLEET DOCUMENTATION

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
8	**Cold Inflation Pressure Verification**	Tire pressure must match vehicle placard specification within +/- 5 PSI using a calibrated pressure gauge.	**Warning**	**[ ] PASS [ ] FAIL [ ] N/A**
9	**Audit Log Documentation**	Record exact measurements, serial numbers, and maintenance actions taken in the official OpsAuditHub digital log.	**Standard**	**[ ] PASS [ ] FAIL [ ] N/A**

Certified Fleet Inspector / Lead Technician Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Fleet Safety Supervisor / Operations Manager Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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