# AssetWORKS

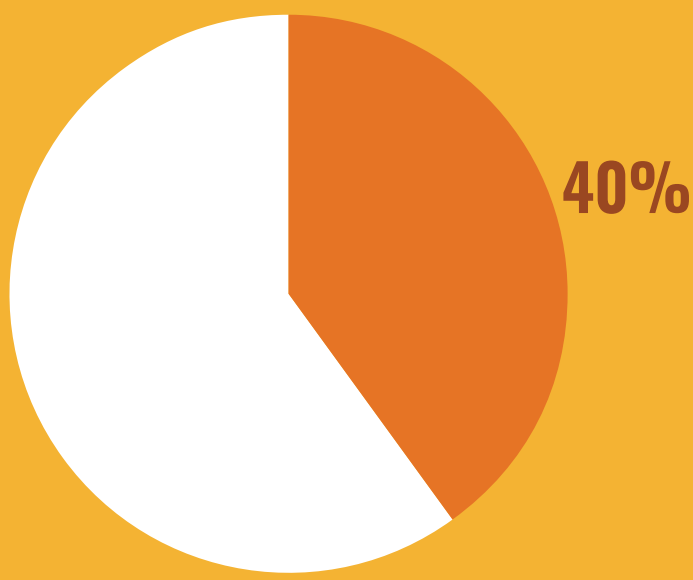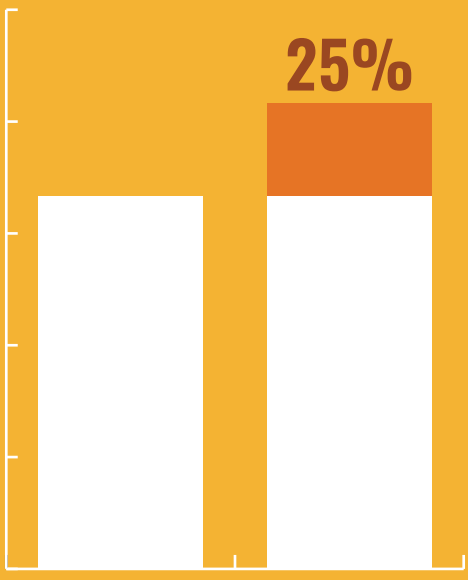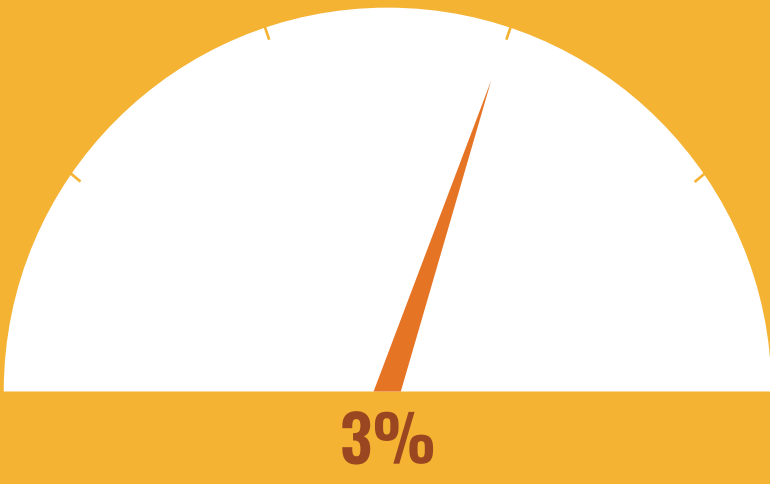# TIRE INSPECTIONS 101

## Why Are Tire Inspections Crucial?

**40%**

30-40% of unscheduled fleet maintenance costs are due to tire-related issues.

**25%**

Proper tire care can extend tire life by 25%, cutting replacement costs.

**3%**

Well-maintained tires improve fuel efficiency by up to 3%, leading to significant fleet savings.

## Benefits of Regular Tire Inspections for Fleets

✓ Safety: Prevent accidents by identifying issues like low pressure or tread problems early.

✓ Cost Savings: Avoid costly replacements or roadside repairs by catching wear and leaks in time.

✓ Compliance: Stay aligned with safety regulations and avoid fines.

✓ Minimized Downtime: Proactive checks prevent breakdowns and keep schedules on track.

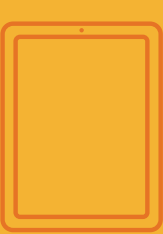✓ Fuel Efficiency: Properly inflated tires reduce fuel usage and operational expenses.

## Step-by-Step Tire Inspection Guide

**1.** Visual Examination
   • Check for cracks, cuts, punctures, or embedded debris.
   • Look for bald spots or uneven tread wear.

**2.** Measure Tread Depth
   • Front tires: Minimum 4/32" tread depth.
   • Rear tires: Minimum 2/32" tread depth.
   • Use a tread-depth gauge to ensure compliance with FMCSA standards.

**3.** Check Tire Pressure
   • Use a calibrated gauge to ensure proper PSI as per manufacturer's recommendation.
   • Avoid both underinflation and overinflation.

**4.** Inspect Valve Stems and Caps
   • Look for cracks, leaks, or loose fittings to prevent slow air leaks.

**5.** Look for Alignment Issues
   • Uneven wear on one side of a tire may signal misaligned wheels.

**6.** Rotate Tires Regularly
   • Follow a routine schedule (every 5,000–7,500 miles) to reduce uneven wear.

## How Technology Can Help

Fleet Management Software: Tracks inspection data, wear trends, and maintenance schedules.

Mobile Inspection Apps: Log inspections, share data, and ensure compliance.

AI-Powered Predictive Maintenance: Identifies high-risk tires using data and schedules preemptive repairs.

**To learn more about tire inspections, please visit assetworks.com/fleet.**

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