

Fleet: Tire and Wheel Maintenance

Ensuring safety through proper tire and wheel maintenance

Consistently inspecting and maintaining your vehicle’s tires and wheels not only ensures compliance with safety regulations but also contributes to fuel efficiency, better handling, and improved braking. Additionally, identifying issues early can help prevent accidents.

Checking Tires: Do not operate if the tire has any of the following:

- an audible air leak or is flat
- exposed casing ply or damaged to the sidewall of the tire
- bumps or bulges related to tread or sidewall separation
- if the tire comes into contact with any part of the vehicle
- **Tread Depth: (minimum requirement)**
 - Tread depth should be measured with a tread depth indicator



- 4/32 inch minimal – Steer tires
- 2/32 inch minimal – Drive tires
- 2/32 inch minimal – Trailer/lift axle tires

Checking Wheels: Do not operate if the wheel has any of the following defects:

Hubs:

- When any axle bearing hub cap is missing or broken to allow the open view into the hub assembly

Welds:

- Welded repair of aluminum steer axle wheels
- Any welded repair other than disc to rim attachment on steel disc wheel(s) mounted on the steering axle
- Any cracks in welds attaching disc wheel to rim

Fasteners or lug nuts

- Loose, broken, cracked, stripped or missing
 - 10 Lug or fastener position wheels: 3 anywhere or 2 adjacent
 - 8 or less lug positions, 2 anywhere



Cracks:

- No circumferential cracks
- Single cracks 3 inches or more in length
- Two or more cracks any place on a single wheel



A crack extending between any two holes on a single wheel

For further guidance, refer to Federal Motor Carrier Safety Administration 49 CFR Part 393 ([ecfr.gov/current/title-49/subtitle-B/chapter-III/subchapter-B/part-393](https://www.ecfr.gov/current/title-49/subtitle-B/chapter-III/subchapter-B/part-393))



For assistance with risk management services or safety resources, contact us at RMSolutions@nationwide.com or 1-800-260-1356.