

Tyre Failure Early Warning Checklist (2025)

A practical, on-ground checklist for fleet managers and drivers to detect tyre failure risks early. Use before trips, during halts, and after completing routes. Helps reduce blowouts, heat separation, and unplanned roadside downtime.

- Uneven shoulder wear or feathering visible on any tyre
- Tyre hotter than usual on touch compared to others
- Slow pressure loss detected over last 24–72 hours
- Rapid pressure drop (≥ 3 PSI in minutes) – immediate action required
- Sidewall bulges, cuts, or exposed steel
- Valve stem cracks or slow leaks
- Tyre age above 4 years or retread older than 18 months
- Irregular vibration above 60 km/h
- Overloaded axle readings on last weighbridge entry
- Tyre pressure variation $>10\%$ between dual tyres
- Frequent top-ups needed more than once a week
- Hissing sound near valve or bead area
- Flat spots after hard braking during the previous trip
- TPMS alerts triggered more than twice in a week
- Any tyre running below recommended cold pressure by ≥ 8 PSI

Tip: Pair this checklist with live TPMS alerts and weekly tyre temperature audits for maximum blowout prevention.