



Safety Alert

Incorrect Tyre Selection Causes Safety Concerns

Incident Description

A set of 16 inch light truck tyres were inappropriately mounted to the steering axle of a rough terrain forklift, instead of the correct industrial tires (11R16) required for that application. *(There was no property damage or personal injury in this instance as the incorrect fitment was discovered by an alert visiting manufacturer technical representative¹ who quickly advised management of the dangers involved. The light truck tyres were immediately removed and replaced with the correct industrial tyres).*

Comparison of the load carrying and speed capacity suggested a correct selection; however necessary OEM information in particular rim geometry and bead angle and resultant tyre/bead seating issues were not consulted nor considered.

Note: Incorrect bead seating angle can cause the tyre to blow off the rim which like any uncontrolled deflation can have fatal consequences.

Recommendations

1. **Do NOT install a light truck tire on an industrial wheel** - if in doubt, stop and consult with the tyre manufacturer.
2. Always check vehicle OEM specifications on correct tyre size and type recommended for mounting to a vehicle rim/wheel.
3. Ensure bead angle of the tyre will be compatible with the bead angle of the rim/wheel.

Please follow these steps always.

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26/4/06, Safety Alert46 Tyre Selection incl disclaimer1.doc

¹ Contributed by P.M., USA

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