



Safety Alert

Tyre Fitting Jig Mounted to Truck causes Loss of Tyre

Incident: A tyre had been fitted on a 'rim mounting jig', some times also referred to as a 'dummy rim'.

For reasons unknown, this assembly - tyre and 'rim mounting jig', was then mounted to a truck in stead of a 'fit for purpose' tyre and rim assembly. During service, the tyre lost air, came free and slipped off the 'rim mounting jig'.

While there was no injury or damage, this incident had the potential to cause serious injury to the operator and the equipment.

The following actions are suggested to eliminate this incident from recurring:

1. Use a separate and approved engineered support stand for all mounting of tyres to rims to avoid having a 'rim mounting jig' on site – this will eliminate to potential for accidental fitment of a 'rim mounting jig' instead of the correct rim.
2. Where such a 'rim mounting jig' is in use it must be engineered and certified, and be permanently attached to a base so it becomes visually and physically differentiated to other rims, and cannot be fitted to a vehicle.
3. Where a disc type 'rim mounting jig' is used, any nave plate mounting holes are to be blanked off to prevent accidental mounting to any vehicle.
4. Where a rim type 'rim mounting jig' is used, accidental fitment must be made impossible by suitable and approved engineering modifications so accidental fitment over a vehicle hub is not possible.
5. Where such jigs are used, update relevant Safe Work procedures (SWPs) procedures to prevent accidental fitment of a 'rim mounting jig'.
6. Where such jigs are used, do not store the jig with other wheels/rims but keep separate with tyrebay tooling to avoid accidental use, and ensure that the jig is clearly identified against accidental misuse.
7. Use this incident as a training case study, and or as a discussion tool in preshift meetings.
8. If there are any doubts, **STOP**, and seek assistance from your supervisor.

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Manager – Global Risk & Business Improvement

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