



Safety Alert

Failure of Bead Seat Band Causes Fatality

Incident Description

A person was hit by part of a 5 piece rim bead seat band

While exact details are not available it appears that the "lip" of the bead seat band peeled off while the tyre had sufficient pressure during inflation.

It is said that the person was standing in the trajectory zone and was killed instantly.

The machine was 5000 hours old and was still fitted with original tyres and rims.

Recommendations

It is unsure what exact root causes caused the failure of the bead seat band, however as a precaution the following steps are recommended:

1. Closely inspect all rim components prior to assembly for suitability, cracks, damage, deformation and corrosion. If in doubt consult with a supervisor or the original equipment manufacturer to check safety and serviceability of the componentry.
2. Always ensure that all rim components are fitted correctly and rim assembly integrity is assured.
3. Never stand in the trajectory zone (i.e. in front of a tyre and rim assembly) while it is being inflated. Either use a certified inflation cage, or use a 3 m long inflation line as per SWP and stand well away from the tyre.
4. While the assembly is being inflated check seating of all componentry for proper seating, and stop/dump all the air if a problem is identified.
5. Ensure all your rim bases and components are tracked and non-destructively tested as per industry Standards.

Tilman Rasche, Manager – Global Risk & Business Improvement,
"Eliminate All Unsafe Acts"

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