A23 TRAILER REPAIRS

RISK ASSESSMENT

Tyre Inflation

Location:	All Workshop & MSU Technicians	**Subject:**	Tyre Inflation.
Document Ref:	A23 RA1 040 Version 2		

Job Analysis - typical tasks:

As part of normal service and repair duties, workshop and MSU technicians check and adjust tyre pressures.

Restrictions / Special Notes:

- A visual inspection of the tyre and valve must be performed before checking pressures or inflating.
- If damage is evident, or the valve is twisted/unaligned, stop work; it must be handled by an approved tyre company.
- If the tyre is 20% or more under-inflated and/or the bead has separated from the rim, DO NOT attempt to reinflate. Call an approved tyre company.

Who may be harmed & how?	Injuries Anticipated	Hazards Anticipated
• Workshop / MSU Technicians. • Customer Employees. • 3rd Party Drivers.	• Serious injury if tyre fails/explodes. • Hearing damage (Noise > 85db during failure). • Hand injuries (Cuts). • Eye injuries from flying debris.	• Large sudden release of pressure. • Pieces of tyre projected at high speed. • Being knocked over by pressure shockwave. • Failure of compressor, hose, or gauge.

Base Line Risk Assessment

Severity of risk / injury		Likelihood of risk / injury	
No Injury (1)	Minor Injuries (2)	Extremely unlikely (1)	Unlikely (2)
Major Injuries (3)	Fatal (4)	Likely (3)	Very Likely (4)

A23 Trailer Repairs Risk Level Calculation Formula: (Risk Level = severity x likelihood)

HIGH 9 - 12 HALT the activity immediately. Review & reduce the risks identified.	**MEDIUM 6 to 8** Inform management & seek further advice before proceeding.	**LOW 1 to 5** Review the operation / activity & take any steps necessary to reduce & control the risks.

Control measures should be in the order of ELIMINATE; ISOLATE; SUBSTITUTE; REDUCE; CONTROL

Existing control measures:

- **Pre-Inflation Checks:** Visually inspect tyre and valve. Do not inflate if damaged, twisted, 20% under-inflated, or if bead is separated.
- **Safe Positioning:** The tyre hose from valve to gauge must be at least 2m long. Technicians must stand to the side of the tyre, NOT in front of it. Use a clip-on inflation valve.
- **Clear Zones:** No persons (staff, customers, or public) are permitted to stand in front of or walk past the wheel during inflation. The technician is responsible for maintaining this clear area.

Hazard Specific Controls:

Hand Injuries: Wear supplied work/nitrile gloves.

Eye Injuries: Safety glasses must be worn while checking pressures or inflating.

Noise Exposure: Wear issued ear protection (over ear or inner ear) while inflating.

Exposure to chemicals (COSHH): Wear gloves to protect from dirt or other elements on the tyre.

Fire Hazard: No specific fire hazards associated with this task.

Environmental Issues: No specific environmental risks associated with this task.

Details of Personal Protective Equipment (PPE) requirements:

- A23 issue overalls.
- Safety Boots.
- Safety Glasses.
- Gloves (Nitrile or Work gloves).
- Ear Defenders.

What further action is necessary?

Action: Maintain high standards. Comply with all issued safety instructions and report any noncompliance or incidents immediately.

Post Preventative Risk Assessment

Severity of risk / injury		Likelihood of risk / injury	
No Injury (1)	Minor Injuries (2)	Extremely unlikely (1)	Unlikely (2)
Major Injuries (3)	Fatal (4)	Likely (3)	Very Likely (4)

A23 Trailer Repairs Risk Level Calculation Formula: (Risk Level = severity x likelihood)

HIGH 9 - 12 HALT the activity immediately.	**MEDIUM 6 to 8** Inform management & seek advice.	**LOW 1 to 5** Review operation & control risks.

All authorized personnel are required to sign that they have read and understood the requirements of this risk assessment.

Name	Signature	Date
