

Justification:
Safety Instruction

(Maintenance & Operations)

Private Owner Circular Letter 644 Issue I

Title

**TF25 Bogies fitted
with Integrally
Mounted Brake
Push Rods**


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AUTHORISATION

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1. INTRODUCTION

Applying the handbrake on TF25 bogied wagons, with integrally mounted brakes, in the laden condition (in conjunction with the power brake) generates high forces through the brake linkage as the wagon is unloaded/discharged. These high forces are sufficient to bend the push rod. POCL 644, Issue 1 advises Owners how to inspect the push rods and also prevent damage occurring. As such it addresses the issues raised by NIR 1882.

2. INSTRUCTION

2.1 Preventing damage to TF25 bogie brake gear push rods

Before unloading operations commence, ensure that any handbrakes currently applied are released and that no handbrakes are subsequently applied until unloading operations are complete. However, alternative means shall be employed to ensure that wagons do not move unintentionally. It is recommended that signs are placed upon the wagon to inform ground staff and operators that the wagons should not be unloaded/discharged with the handbrake applied.

2.2 Inspection of TF25 bogie brake gear push rods

At VIBT and PPM visually inspect the TF25 bogie brake gear push rods. If there is any suspicion that the push rods are distorted or damaged they shall be measured in situ by using either a metre straight edge or a length of string pulled taught to determine any deflection from straight and the following action taken:

- a). Deflection 4mm or less - no action is required.
- b). Deflection of between 4mm to 10mm – change the push rod at the next overhaul.
- c). Deflection greater than 10mm – remove the push rod from the wagon and either renew it or replace it with a re-conditioned push rod.

Note: Brake push rods found with a deflection of between 4mm and 15mm may be straightened once, however, they shall be permanently marked to indicate that straightening has taken place and scrapped at the next overhaul.

3. SCOPE

This POCL is applicable to all PWRA wagons fitted with TF25 bogies.

4. IMPLEMENTATION

This document shall be implemented on 1 March 2009

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