Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of 2807 without Tender Guard Irons - Steam Loco

Risk Assessment - Use of 2807 without Tender Guard Irons

Reference No: STE-45469-82
Version No: 1
Assessment Approver: Kevin Jarvis

2807 is currently running with a hired in tender whilst its own tender is repaired. The tender in use does not have guard irons to protect the vehicle from derailing when running backwards. This RA assesses the risks of that operation.

Department: Steam Loco
Date Of Assessment: 26 June 2024
Review Due Before: 07 August 2027
Lead Assessor: Kevin Jarvis
Team: John Cruxon (HoD), John Pedley (Mech Inspector) & Neil Carr (Operations Manager)

Running 2807 tender without life-guards

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Derailment and/or damage caused by hitting a track obstruction. Items left on the track coming into contact with the tender wheels	Everyone	1) CRITICAL - Engineering: Brake hangers are so configured (170mm to the rail head) that any large obstruction such as a sleeper or similar would come into contact with them before reaching the wheels. - Improvable 2) Engineering: Brake hangers are 170mm from the track level compared with normal guard irons on other home based locos: 7820 60mm. 35006 73mm. 7903 85mm Difference is 85-110 mm, which might be termed as negligible. - Improvable 3) CRITICAL - Engineering: Temporary tender to be fitted with guard irons before 1/10/24 - Improvable 4) CRITICAL - Administrative: Original tender with life-guards to be returned to service in 2025. - Improvable 5) CRITICAL - Administrative: Footplate crews to be made aware of issue and to be extra vigilant looking for obstructions. - Effective 6) CRITICAL - Administrative: Develop a policy on the fitting of guard irons for future operations covering resident and visiting locomotives. - Effective	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.	1) Engineering: New life-guards to be manufactured and fitted to current tender immediately. - Effective 2) Administrative: Per Way department to ensure that no materials are left lineside that could potentially be placed on the lines causing a derailment hazard. - Improvable	1 x 4 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Score and Control Measure Notes.
Risk is medium due to the possibility of a serious injury caused by derailment.
Risk reduced as life-guards would be more effective at removing obstructions.

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.
Ends

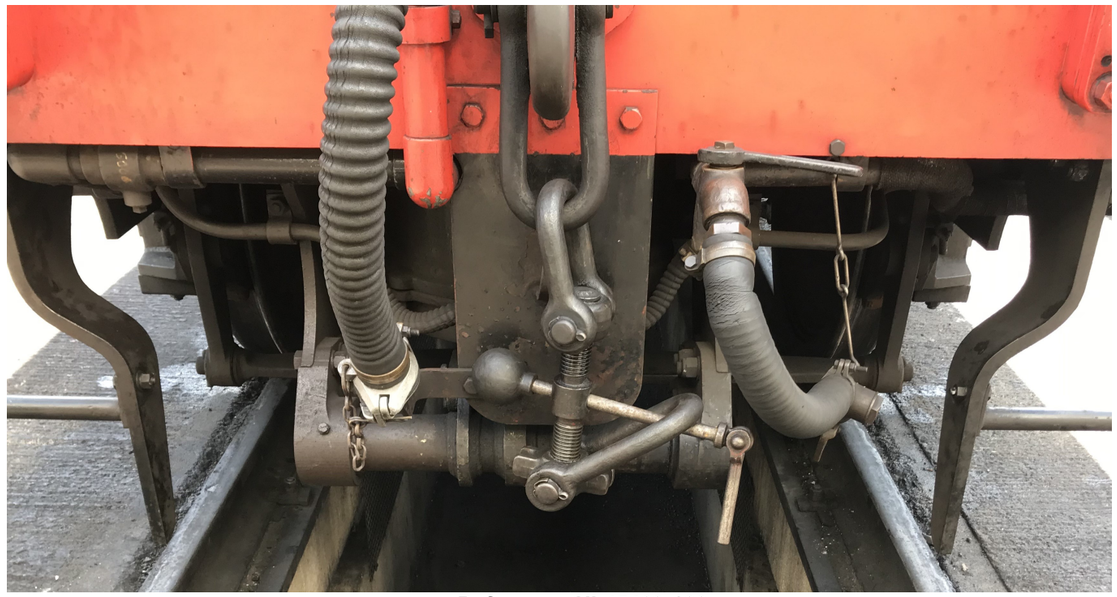
Appendix



Reference: UI-45469-254
2807 Brake Hangers -



Reference: UI-45469-818
2807 Detail -



Reference: UI-45469-100
35006 -