

Pre-Trip or Interim Inspection of Heritage Diesel Locomotive or Railcar

Date of Inspection _____ / _____ / _____
Vehicle ID _____
Operator _____
Inspected at _____

This Vehicle is fit to operate run on the National Rail System with the following conditions and restrictions

Name of Inspector _____ Date _____ / _____ / _____
Signature _____

If used as a "pre-trip" inspection, this certification is valid for one month from date of certification or 5 continuous running days, whichever comes first.

Notes

- This form is to be used for all interim or "pre-trip" inspections.
- This form is to function as a guide to assist in ensuring that all steam locomotives are inspected to an acceptable and common standard for operation on the National Rail Network.
- Some reference to codes and standards may be required to complete this inspection form.
- All items on this form are to be marked as
 - √ Passed; or
 - X Failed; or
 - NA Not applicable or
 - UC Unable to check
- Any items that have failed are to be included on the Inspection Fault Report included at the end of this form.

Brakes

Brakes apply – automatic (100 kPa reduction). Test from all cabs.		
Brakes apply – independent (full application). Test from all cabs.		
Brake blocks – apply firmly, wear indicators visible		
Piston travel – within limits		
Brake pipe leakage - max = 20 kPa (3psi) in one minute (record)		kPa
Main Reservoir leakage - max = 20 kPa (3psi) in one minute (record)		kPa
Rigging; pins; split pins; safety straps – intact, secure		
No audible leaks		
Hand brake – operates freely		
Hoses – good condition		
Cocks - operate OK		

Axel & Wheel Defects

Loose- wheels, tyres, Gibson rings. (Rust discharge, polishing or disturbance of dirt or rust build-up)		
Visible cracks in wheels, tyres		
Tyre damage - Flats, skids, scaling, spalling, overheating, edge rollover		
Axle damage - no gouge between the wheels more than 1mm deep. No rubbing.		

Axleboxes & Bearings

Horns, liners and keeps - secure		
No abnormal grease or oil leakage		
Covers, bolts - secure		

Springs

Springs and hangers - No broken leaves / coils, loose buckles, corrosion, wear & wastage, correctly seated and aligned.		
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Drawgear

Buffers – undamaged, tight		
Buffer pins, bridles, slot protectors – intact, serviceable		
Janney yokes, draft lugs, spring packs, keys – secure, undamaged		

General

Fault Reports –no outstanding faults	
All engine checks complete – oils, belts, governor oil etc	
Cowcatchers – secure, correct height	
Bogie centres – secure, no movement, cracks in webs	
Safety straps – intact, secure	
Hand grabs, steps, ladders - secure	
Loose / missing bolts, nuts, keys, split pins (split pins correctly split)	
Pipework – secure, not rubbing	
Sanders – operate, pipes correctly aligned with rail, not fouling	
Lights – operate correctly	
Doors – open / close, latch securely	
Horns - operate	
Seats, cab fittings - secure	
No water or fuel leaks	
General safety - No sharp edges that could cause injuries. No loose equipment.	
Detonators – minimum number on vehicle	
Flags – on vehicle	

Certifications

Radio certificate - current	
Event recorder certificate - current	
Fire extinguisher(s) certificate(s) - current	

Function Tests

Radio – correct functioning	
Event recorder – function indication OK	
Vigilance system – functions correctly	

Inspection Fault Report

Vehicle ID		Inspection Date	/	/	Page	of
Inspected by - Name		Signature				

Fault Details	Reference		Priority	
Repair Details	Date completed	/	/	
Repaired by -Name		Signature		
Checked by -Name		Signature		

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Repaired by -Name		Signature		
Checked by -Name		Signature		

Priority

- 1 – Vehicle not to run until repairs made.
- 2 – Repairs to be completed as soon as practical but vehicle may run in the interim.
- 3 – Attention required at next shopping or as noted.

Issue	Prepared (P), Reviewed (R), Amended (A)	Approved by	Effective Date
1	P McCallum (P)	Heritage Technical Committee	27 June 2006
2	P McCallum (A)	Heritage Technical Committee	7 May 2007

Amendment History

Version	Section	Amendment
1	Preface	Clarified valid period of certification
2	Cover sheet	Revised to distinguish from annual inspection form