Pre-Trip or Interim Inspection of Heritage Steam Locomotives

Date of Inspection	/	/			
Vehicle ID					
Operator					
Inspected at					
This Vehicle is fit to operate run restrictions	on the Nationa	al Rail System with	the following o	conditions	and
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 apply – automatic (100 kPa reduction)			
Brakes apply – independent (full application)			
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, tyre set screws. (Rust discharge, polishing or disturbance of dirt or rust build-up)	
Visible cracks in spokes, tyres	
Tyre damage - Flats, skids, scaling, spalling, overheating, edge rollover	
Axle damage - no gouge between the wheels more than 1mm deep. No rubbing.	
Wheels – not rubbing on frames	

Axleboxes & Bearings

Horns, liners and keeps - secure	
Oil box covers in place, boxes free of water, no abnormal grease or oil leakage	
Wedge bolts, cannon box bolts - secure	

Springs

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

Motion

All keys, pins, bolts, split pins secure	
Side rod retaining caps secure, little end cap secure	
Brackets, safety straps secure	

Drawgear

Buffers – undamaged, tight	
Buffer pins, bridles, slot protectors – intact, serviceable	
Janney yokes, draft lugs, spring packs, keys – secure, undamaged	
Locomotive to tender drawgear – springs, safety straps etc OK	

General

Fault Reports –no outstanding faults	
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	
Generator and Lights – operate correctly	
Apron plate, seats, cab fittings - secure	
No water or fuel leaks, excessive steam leaks	
Detonators – minimum number, not time expired (if permanently fitted)	
Flags – minimum red & green flags (if permanently fitted)	

Certifications

Boiler certificate – current and displayed	
Radio certificate - current	
Event recorder certificate - current	
Fire extinguisher(s) certificate(s) - current	

Function Tests

Radio – correct functioning	
Event recorder – function indication OK	

Inspection Fault Report

Vehicle ID		Inspection	Date	/	/	Page	of
Inspected by - Na	ame			Signature	9		
Fault Details		Refere	nce			Priority	
			•		•		
Repair Details				Date	complete	d	/ /
Repaired by -Nan	ne		Sign	ature			
Checked by -Nan	ne		Sign	ature			
Fault Details		Referer	nce			Priority	
Repair Details				Date	complete	d	/ /
Repaired by -Nan	ne		Sian	ature			
Checked by -Nan				ature			
Fault Details		Referer	nce			Priority	
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Repair Details				Date	complete	d	/ /
Repaired by -Nan	ne		Sign	ature			
Checked by -Nan	ne		Sign	ature			

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 2

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

Amendment History

Version	Section	Amendment
Draft		Released 22/12/2005
1	Certification	Added certificate expiry
	General	Added flags and detonators
	Preface	Clarified valid period of certification
2	Cover sheet	Revised to distinguish from annual inspection form