

Brakes

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 - Name		Signature				

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

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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 (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