

NG 15, loco no. 134

Last repair book whilst in use by SAR from Humewood Road

Mostly translated from Afrikaans, by Martin Coombs, with help from members of the SAR-L e-mail group including Pierre de Wet, James Smith, Aidan McCarthy and Keith Simmons. Further assistance from the bilingual diagrams in the SAR Handbook on the Steam Locomotive for Enginemen and Running Shed Staff, and from the online Afrikaans-English dictionary at <<http://www.websters-online-dictionary.org/definition/Afrikaans-english/index7.html>>.

Notes:

Repair books tend to be written in a hurry by drivers at the end of their shifts, using whatever writing implement was to hand. In addition drivers may not be particularly literate or good at spelling, and may use colloquialisms. Thus translating such a document is not easy and there have been one or two times when I have had to make a guess at what was written. However, in 99% of cases I think the general meaning has been clear.

Key:

??? or Illeg. implies that there is a word or words that cannot be deciphered.

Text in red remains in Afrikaans for lack of a translation.

Text in blue is comment by me.

Implications:

As one correspondent commented, most of the minor problems will be sorted during the normal processes of restoration but the references in the later pages to serious leakage from stays or foundation ring rivets on the rear left of the firebox need to be taken more seriously. I think 'klinknaels ' means rivets rather than stays (= ankers) but drivers might have used the term indiscriminately. Was any work done on the boiler in SA after the loco was staged?

Martin Coombs
Southwold, Suffolk
December 1st 2005

Locomotive number: NG 134

Class:

Last washout	Last 15M	Last heavy repair	Comments
13-07-88			Front ends overhauled 01-07-88
26-08-88			Stopped for wheels 15-04-89 until 14-06-89
21-09-88			Tube 4C blanked off 18-10-(89?)
31-10-88			Tube 1A blanked off 14-(2?)-90
28-12-88			Blanked tubes replaced 14-03-90
26-01-89			
21-02-89			
14-03-89			
04-07-89			
26-07-89			
25-08-89			
12-09-89			
11-10-89			
08-11-89			
01-12-89			
19-01-90			
14-02-90			
14-03-90			

**SAR – Locomotive staff report of repairs required to locomotives and/or tenders
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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
		14-04-88		
		LH side waterpipe from injector barrel needs tightening.	Tightened	
		LH & RH sand valves need seeing to. Sand won't stay open and lever works very stiffly.	Repaired, bushes replaced.	
		The clamp (?) of the pullrod of the ashpan outside at the running plate is loose.	Tightened	
		Several packing nuts on the steam turret are blowing through.	Packed	
		Steam brake is weak.	Adjusted.	
		???	Seen to	
		Loco and tender need examining underneath.	Examined and in order	
		Waterpipe between loco and tender is blocked and needs seeing to.		
		Blower ring holes need cleaning.	Cleaned	
		LH injector spindle is loose at the turret.	Tightened	Terblanche 05-07-88
		Tender brake needs adjusting.	Tender brake adjusted	
		LH & RH bissel and pony axleboxes need packing.	Bissel and pony axleboxes packed.	A. J. Van Vuuren
		Ejector exhaust pipe joint nut leaks, behind ejector.	Union nut behind ejector rejoined.	Petzer 15-07-88
		Tubes and brick arch need cleaning.	Cleaned.	Coetzee 15-07-88
		Tender water tank needs cleaning.	Cleaned	Coetzee
		04-08-88		
		RH slidebar bolts are loose.	Tightened.	
		All axleboxes need seeing to.	Seen to.	
		Loco and tender need examining underneath.	Examined	
		LH injector steam spindle blowing.	Spindle replaced	
		RH sand not working.	Made workable	W. Seal
		Tube 1B burst.	Tube replaced	4-8-88
		All bissel and pony truck axleboxes need packing.	Bissel and pony axleboxes packed	A. J. Van Vuuren
		Tender brake weak	X (ie Attention drawn to its not yet having been done)	
		Brick arch and tubes need cleaning	Cleaned	Coetzee

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		05-08-88 Cooler pipe needs looking at in ashpan. Reverser needs examining as the loco in full forward gear, against the stop, will not run. You must turn it back to 60% ??? the frame of the reverser in the cab. Steam brake needs adjusting.	Mended. Bushes replaced Adjusted	 W. Seal 6-08-88
		Keep plate (?) of the RH intermediate coupled wheel (axlebox) is hanging loose Tender brake needs adjusting.	Keep plate of RH intermediate coupled wheel axlebox has been fixed. Tender brake adjusted	A. J. Van Vuuren
		29-08-88 Tube 1A leaks badly. Lubricator steam valve spindle packing leaks badly. ?H side injector steam valve spindle packing nut leaks. Sand lever works with great difficulty. All axlebox wedges need seeing to. Loco and tender need inspecting underneath. Ashpan handle pullrod? in cab ??? is missing. Loco brake is weak.	Tube rejointed Repacked Repacked LH & RH repaired Seen to Examined Tightened Adjusted	 W. Seal 31-08-88
		Loco and tender brakes are weak. All axleboxes need packing. Brick arch and tubes need cleaning. Exhaust pipe joint behind ejector needs attention.	Tender brake adjusted Pony and bissel axleboxes packed. Cleaned Union nut tightened	A. J. Van Vuuren Coetzee V. Petzer 31-08-88

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
		22-09-88 Helm Vaeglas (gauge glass?) leaks badly. Sand needs seeing to. Sand works with difficulty. Several packing nuts blowing badly at the steam turret. Blower holes need cleaning. All axlebox wedges need seeing to. Ejector exhaust-pipe gland nut at smokebox draws air. Drifting valve actuating handle nut needs packing. LH & RH valve rod glands need packing. RH injector steam (valve) spindle blowing through. Lubricator, LH injector, drifting valve, ejector and blower packing nuts need packing, leaking at steam turret. LH front and RH rear cylinder drain cocks won't close properly. Lubricator gland needs tightening, is loose at boiler (?). Loco and tender undersides need examining. Steam brake needs adjusting. Pony and bissel side play needs inspecting. Tube 1C is leaking.	Repaired. Repaired Packed Cleaned Repaired Tightened Packed Packed Lapped in Cleaned Tightened Inspected Adjusted Repaired	???
		Front headlight of loco doesn't light.	Repaired	
		22-09-88 Gland nut behind ejector leaking badly.	Repaired	Petzer
		22-09-88 Tender brake needs adjusting. Pony and bissel axleboxes need packing. LH front coupled wheel axlebox runs continuously warm.	Adjusted Packed Repacked	Van Vuuren

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
		04-11-88 Loco and tender undersides need examining. Sand needs to be made to work. Sand lever works with difficulty. and has much side play. Cab handle top rubs on side frame of cab. Steam brake needs adjusting. LH blowdown valve needs examining. Water runs very slowly. Tube 1B leaks.	Examined Made workable Rectified Rectified	??? 0?-11-88
		04-11-88 All bissel truck and pony truck axleboxes need packing. Tender brake is weak.	Packed Brakes adjusted	? Van Vuuren
		04-11-88 RH seat needs to be replaced.	Replaced	???
		04-11-88 Brick arch and tubes need cleaning. Ashpan needs mending, works with difficulty when warm.	Cleaned Reset	R. Coetzee
		04-11-88 Headlight doesn't work.	Replaced	???
		30-11-88 All bissel and pony axleboxes need packing. Tender brake needs adjusting.	Bissel and pony axleboxes packed	? Van Vuuren
		30-11-88 Brick arch and tubes need cleaning.	Cleaned	? Van Vuuren

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
		30-11-88		
		Blowdown cock boiler joint blows badly.	Rejointed	
		LH& RH drej and big end connecting rod bushes are knocking badly.	Examined	
		Loco and tender need inspecting underneath.	Examined	
		RH front driving axlebox wedges need adjusting. Axleboxes are knocking badly.	Set	
		LH & RH sand need seeing to.	Made workable	
		LH and RH slidebars need closing up.	Tightened	
		Big and small injector jets need cleaning.	Cleaned	
		LH & RH union link pin bushes are worn.	Renewed	
		Blower holes in blastpipe need to be cleaned.	Cleaned	
		Steam brake needs adjusting.	Set up	??? 05-12-88
		27-12-88		
		Blowdown cock boiler joint is blowing.	Rejoint	
		LH & RH slidebars need closing up.	Closed	
		Loco rides very rough on the bissels.	??? in order	
		Coupling rod bushes knock very badly.	??? in order	
		Loco and tender need inspecting uderneath.	In order	
		LH & RH sand need seeing to.	Made workable	
		Dynamo's inlet pipe needs replacing, is broken.	Replaced	
		Cover on smokebox behind chimney needs replacing	Replaced	??? 4-1-88 (sic)
		27-12-88		
		All bissel and pony axleboxes need packing.	Packed	? Van Vuuren
		Tender brake is very weak.	Adjusted	27-12-88
		27-01-89		
		Sand needs to be made to work.	Made workable	
		Blower is very weak.	Repaired	
		Loco and tender need inspecting underneath.	Inspected	
		RH sandpipe is loose by the sandbox.	Tightened	???
		27-01-89		
		Tender brake is weak.	Adjusted	
		All bissel and pony truck axleboxes need packing.	Packed	???

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
		21-02-89 LH injector steam spindle is blowing. Blower very weak. 3de keen geb?ack slaaf? Sand needs seeing to. Blast pipe cap fastenings needs examining. Blower holes in blast pipe cap need cleaning. Loco and tender need examining underneath. LH & RH slidebars need closing up. LH driving axlebox horn stay is loose.	Repaired seen to Inspected and repaired Cleaned Examined underneath LH & RH slidebars tightened LH driving axlebox ??? tightened	W. Seal
		21-02-89 Tender brake is weak. All bissel and pony truck axleboxes need packing. Bissel and pony (truck) covers' rubber seals need replacing.	Brake adjusted Packed Replaced	A. Van Vuuren
		21-02-89 Brick arch and tubes need cleaning.	Cleaned	R. Coetzee
W. P. Theron	01-07-89	LH front axlebox lid is bent. Ejector exhaust pipe jet in cab blows badly. Regulator gland leaks badly in cab. RH axlebox (which one?) lid opens with great difficulty. RH front window won't shut. There is no light in the cab. RH piston rod packing blows badly. LH piston rod packing spring needs inspecting. LH valve rod gland leaks. Sand lever needs attention. Very difficult to work. Lubricator's pipe on right needs coupling up by lubricator valves. Jet on tender and in cab needs correcting. (?) LH & RH bypass valves need cleaning. RH injector steam pipe joint nut under cab is loose. Very poor valve on RH side. Steam brake needs adjusting. Drifting valve's lower joint nut leaks. LH & RH rear coupling rods' knuckle joint pin is loose. LH intermediate coupling rod's collar is loose.	Rectified Rejoined Packed Rectified Rectified Temporarily repaired Reset Examined and reset Repacked Rectified Rectified Repaired Cleaned Tightened Piston head tightened Adjusted Cone renewed Secured Secured	Seal G. Victor D. Nel 04-07-89 R. E. Coetzee 04-07-89

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
	J. M. Nell 25-08-89	Steam brake handle is missing. LH & RH combination levers and union links bushes need replacing. Blower and LH injector packing at steam turret need packing. Lubricator valve packings need packing. LH & RH injector steam spindles are blowing. Blowdown valve cock boiler joint is blowing (manhole). All branch steam pipes and boiler joints need examining. Boiler steams weakly. Brick arch and tubes need cleaning. LH & RH sand won't shut. Sand operating valve in cab needs to be made to work.	Replaced Bushes renewed Packed Packed Lapped in Lapped in Seen to Cleaned Made operational	
???	(name) H.T.S. (T/B) Head office 29-08-89	Tender brake is weak. Steam brake is very weak. Regulator gland needs packing, won't stay in open position. Cooler pipe in ashpan needs attention, won't spray in ashpan. Loco and tender need inspecting underneath. RH front window is broken and frame won't close. All axlebox wedges need looking at. Drifting valve packing needs packing. Regulator and drifting valve are blowing through. LH cylinder cocks won't close. LH & RH bypass valves feather ports need cleaning. LH & RH valve rod packings need packing. Pony and bissel axleboxes need packing. Dome joint is blowing very badly.	Tender brake adjusted Adjusted Packed Put right Gem??m??? Renewed Adjusted Packed Lapped in Made operational Cleaned Packed Pony and bissel axleboxes packed Renewed	A.J. Van Vuuren 28-8-89 ? Pelzer

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(Loco no.)	(Driver's name and date)	Repairs required	Work actually done	By whom done, date and time
S. Vorster 12-09-89		Blower holes need cleaning.	Cleared	
		Gauge glasses to renew and waterways to clean.	Renewed Cleared	
		All turret spindles to pack and splitpins to check.	Packed Checked	
		Valve glands to pack.	Packed	
		Sand and cylinder cock gear to check.	Checked	
		Boiler pressure gauge to check.	Checked	
		Safety valves to check and seal.	Checked and sealed	
		Engine and tender to be examined underneath.	Examined	
W. P. Theron 11-09-89		Regulator blowing through.	Valve grinding in (sic)	
		Sand to make work properly.	Working	
		Pony and bissels to pack.		
		Engine riding rough on bissels.	Examine(d?) in order	
		All axlebox wedges to set up.	Set up	
		T/A (Tubes and ashpan?) to clean		
		RH front window not closing properly.	Closing properly	
Engine and tender to be examined underneath.	Examine(d?)	? Pelzer? 15-09-89		

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
J. Strumpher 05-10-89		Tender brake is weak.	Tender brake adjusted	12-10-89
		Main steam and drifting valve packing nuts at the turret need packing.	Packed	
		Cooler pipe uncoupled behind ashpan.	Tightened	Terblanche 12-10-89
		Regulator gland needs packing. Regulator doesn't stay in open position.	Repacked	
		Sand needs examining.	Inspected. RH sand was ???	Van Vuuren
		All bissel and pony truck axleboxes need packing.	Bissel and pony axleboxes packed	
		Loco and tender need inspecting underneath.	Inspected and ???	
		Headlight doesn't work.		
Brick arch and tubes need cleaning.	Cleaned	???		
Uitsie stene behind the firebox through into the cab, play needs reducing.	Play reduced ???	K. Campe?		
J. Vorster 11-10-89		Gauge glasses need renewing and waterways clearing.	Renewed and waterways clear	
		Boiler pressure gauge needs testing and ???	Tested and rectified	Terblanche 12-10-89
		Sand and cylinder (drain cock) gear needs checking.	Checked	
		Engine and tender need examining underneath.	Examined	

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
J. Nel 07-11-89	LH & RH piston rod packings blowing badly. LH & RH valve rod packings blowing badly. Drifting valve and lubricator packings blowing badly at the steam turret. LH cylinder rear drain cock won't lose. Steam chest pressure gauge pipe is leaking under the gauge. Pony and bissel axleboxes ned packing. Brick arch and tubes need cleaning. Steam brake needs adjusting. Tender brake needs adjusting. Loco and tender need inspecting underneath. Loco rides very rough on bissel truck.	Packing renewed Repacked. Packed Cleaned and LA? renewed Tightened Repacked pony and bissel axleboxes Cleaned 4 blocks (replaced?) Tender brakes adjusted Underneath ex(amined?) New bissel springs will be put on when in stock	Illeg. name R. Coetzee 09-11-89 Illeg. name G. Victor	
J. Vorster 8-11-89	Engine water tested (?). RH steampipe top joint leaking badly. Blower pipe leaking at union nut.	Steam pipe renewed top and bottom. Cone faced. Water tested and in order. Blower pipe renewed; water tested, in order.	Illeg. name 09-11-89	

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
W. Terk??k 30-11-89		Tubes and brick arch need cleaning.	Cleaned	J. Coetzee
		Loco needs inspecting underneath.	Examined	
		Tender brake is very weak.	Tender brake adjusted	Van Vuuren
		Headlight not working.	Repaired	
		Oil trimmings for coupled axleboxes need positioning.	Trimmings position corrected	
		Cylinder rear (drain) cocks need cleaning, as they won't close.	Cleaned	D. Nel 05-12-89
		RH piston rod packing blows.	Renewed	
J. Vorster 04-12-89		Sanding gear needs testing.	Tested	
		LH & RH valve rod packings need packing.	Repacked	
		Bissel and pony need packing.	Bissel and pony axleboxes packed	
W. Terblanche		Tubes and brick arch and smokebox need cleaning.	Cleaned	
		Vacuum and steam brakes need adjusting.	Adjusted	
		RH & LH piston rod packings blowing.	Repacked	
		Bissel and front driving axleboxes need examining.	Illegible	
		Headlight ??? ???		
		Loco and tender need inspecting underneath.	Inspected	
		LH injector works very weakly, ??? ??? steam valve.	Cones replaced	
		Drifting valve packing needs packing.	Repacked	
		Ejector exhaust pipe packing nut at the smokebox leaks.	Rejointed and ??? ???	Illeg. 17-01-90

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
W. P. Theron 08-02-90	Tubes and brick arch need cleaning.	Pony and bissel axleboxes	Van Vuuren	
	Pony and bissel axleboxes need packing.	packed		
	Covers of bissel and pony truck, oil holes need need to be enlarged.	Enlarged		
	Smokebox and spark arrester need cleaning.	Cleaned		
	Steam brake and vacuum brake need adjusting.	Tender brake adjusted	Van Vuuren	
	LH injector's steam cone needs renewing.	Renewed		
	LH & RH water supply stop cock needs examining, work with great difficulty.	Made operational	W. Seal	
	Rear headlight doesn't work.	Renewed		
	Sand ??? is missing.	Replaced		
	Sand works with difficulty.	Made operational		

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
W. P. Theron	22-02-90	Tubes blowing very badly. Locomotive steams very weakly. Loco heavy on water. LH injector works very weakly, needs examination, suction cone aangekom . Sand works with great difficulty. LH bissel and front pony, no oil in.. Tubes and brick arch need cleaning, and smokebox needs cleaning. LH & RH cylinder rear (drain) cocks won't seal. LH & RH valve rod packings blow. Drifting valve control handle packing blows. RH safety valve blows 6 blocks (?) too high. Steam chest pressure gauge glass is broken. Speedometer is loose, needs tightening. Lubricator dra yster waal dit vas kom dan boiler is loose, needs fixing. Blower, ejector, lubricator and drifting valve packings on steam turret need packing.	Tube 3A rejointed W/O done W/O done Suction cone renewed LH pony front hole opened (?) Cleaned Rejointed Repacked Repacked Valves adjusted Replaced Secured Secured Turret spindles packed	W. Seal A. Van Vuuren R. Coetzee R. J. Victor

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
		LH & RH branch steam pipes where they enter the smokebox need tightening.	Repacked	
		Round plate behind chimney needs to be made airtight.	Rejointed	
		All axlebox wedges need putting right.	Checked	
		Smokebox on hinge side draws air.	Faced	
		Main steam packing nuts on lubricator need packing.	Repacked	
		LH front coupled wheel axlebox cover is too small and needs replacing.	Checked. RH driving axlebox keep plate fixed	
		RH driving wheel axlebox keep plate needs tightening, is loose and every time needs examining.	RH driving axlebox keep plate fixed	J. Van Vuuren
		RH bissel axlebox cover plate which has oil holes is weg	RH bissel axlebox plate where oil goes replaced	Illeg. name
		Steam brake needs adjusting.	Brake adjusted	
		Tender brake needs adjusting.	Tender brake adjusted	
		Pony truck frame bar on RH side, bolt..		
		RH water pipe needs replacing with a gaalfiein .	Renewed	
		Dynamo rubber outlet conduit linking to the steel pipe needs attention.	Renewed	

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
		Joint nut behind ejector is leaking. Pony and bissel need examining, they have a lot of play.	Secured Noted w/o Pony and bissel axleboxes packed (crossed out)	
H. R. Randall		LH injector water cock spindle gland. LH injector suction cone needs cleaning. LH injector steam valve spindle blows through. Ejector exhaust pipe joint behind ejector leaks. RH piston rod packing is blowing. LH & RH cylinder rear drain cocks need cleaning to make the rear cocks shut off. LH & RH sand valves need examining. The sand dosn't shut off and the operating lever works with great difficulty. Safety valves and pressure gauge need testing, blows 20KPA light. Rivets leak very badly in LH rear corner of firebox. Spray pipe blowing through badly. Loco brake needs adjusting. Tender brake needs adjusting. Bissel and pony axleboxes need packing. Loco and tender need inspecting underneath.	Packed Cleaned Lapped in Joint tightened Repaired Cleaned Repaired Repaired Repaired Examined, could be seen to at a boiler washout Lapped in Adjusted Adjusted Bissel and pony axleboxes packed Inspected	 Coetzee Illeg. 8-6-90 J. Van Vuuren

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
	D. Meyer	Oil can next to LH sandbox on running plate, its sefars pipe is hanging loose. Regulator gland leaks a lot. LH sand doesn't shut off. Sand works with great difficulty. Sanding gear pull rod rubs against coupled wheel flanges. LH injector works with difficulty. Ejector exhaust pipe joint nut, next to ejector, leaks.	Cleaned Repacked LH & RH sand boxes repaired Repaired Repaired Lapped in Tightened	 D. Nel
	w/o	?? Tube 3C to rejoin LH & RH valve glands to pack. 11-4-90 M. Tester	Rejoint Packed Packed Fixed Reset Tested	 Illeg. 20-04-90
		Regulator gland to pack. Vacuum exhaust nut to tighten LH & RH piston packing. Sand to be tested.	New seat fitted	20-4-90 Illeg.

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
W. P. Theron	RH & LH waterpipes between loco and tender leaking badly. LH & RH valve heads need inspecting. Tubes need cleaning. Brick arch needs cleaning. Loco and tender brakes are weak. Loco needs a water test. Loco is steaming weakly. Sand flows with difficulty. Valve gear needs inspecting. Loco's beats are not clear. LH & RH branch steam pipes blow badly, restricts view (forward). RH & LH supply to cylinders and valves need cleaning. ??? LH & RH pony and bissel axleboxes need packing.			
Terblanche 04-05-90	Vacuum brake very weak. Regulator gland needs packing. Drifting valve packing needs packing. LH & RH piston rod packings blowing badly. LH & RH injector steam spindles blow eng by moispyp oop af lae te maak.			
w/o Illeg. name 08-05-90	Tube 3A to be renewed Chimney needs aligning. Sandbox needs repair. Blower holes need cleaning.			
w/o 08-05-90	Illeg. name.			

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	A. J. Randall	LH & RH valve rod packings blowing badly. Sand operating lever works with great difficulty. Bissel and pony axleboxes need packing. Brick arch and tubes need cleaning. Chimney base needs to be made airtight. Smokebox washout plug leaks. Loco and tender brakes need adjusting. Loco needs a watertest. Loco and tender need inspecting underneath.	Piston packing reset. Sand made workable Wheels repacked Cleaned Made airtight Made tight Loco watertested and tube 3A replaced Inspected	 J. Coetzee
J. M. Nel 01-06-90		Loco steams weakly, very heavy on water, tubes leaking badly. Superheater header has cracked. Loco needs a watertest. LH & RH valveheads admission (?) rings need replacing. Steam brake very weak. vacuum brake is weak. Loco blast pipe cap ring holes need cleaning. Sand works with difficulty. Tubes need replacing wal afgestamp . Pony and bissel truck axlebox packings need replacing. Helm vaeglas needs lapping in. Smokebox is pulling air. Side play wislars on bissel and pony (trucks), axleboxes need inspecting.	Tube replaced and gesweis Tube 3B replaced Tube 3B replaced Seen to and in order Brake adjusted Brake adjusted Cleaned Sand repaired No tubes, not available Seen to Lapped in Resealed Seen to	J. Coetzee D. Nel
w/o		Name illeg. 10?-06-90		

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
N. Terblanche 12-07-90		Brake gear under first truck has broken. Regulator gland leaks through badly. Water running behind brick arch. Helm vaeglas leaks badly. Steam brake needs adjusting. Drifting valve packing needs packing. All wedges need adjusting. Cylinder drain cocks not working at times, need opening. LH & RH sand doesn't work.	Brake gear renewed Repacked Tube repaired Lapped in Adjusted Repacked Wedges adjusted Cylinder cocks cleaned Made operable	S. Vorster
w/o		Name illegible		
Nel		LH front coupling rod collar is loose. RH water pipe between loco and tender is damaged. Steam brake needs adjusting and blocks need changing. Tender brake is weak. Sand. In order to get it to work easily from the cab you must open (the handle) and tug and pull to get it open, and you must tug and pull to get it closed. Sometimes you must feel by s?? and you must work very finely with the lever without hurting your hand.	Tightened Pipe replaced Blocks replaced and adjusted Tender brake adjusted Sandboxes taken off and repaired RH sandbox valve tightened Sand valve replaced and repaired	
		Brick arch and tubes need cleaning. Pony and bissel axleboxes need packing. LH gauge glass steam cock control handle packing leaks badly.	Cleaned Repacked Repacked	Coetzee V. Vuuren
Illeg. name w/o		Blower holes need cleaning. All wedges need adjusting. Loco and tender need examining underneath.	Cleaned Adjusted Inspected	Stamp of Head Technical Superintendent Assistant head director of rolling stock Johannesburg 07-08-90

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Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
E. F. Seaman	Tender brake is weak. Steam brake is weak. Blower packing at turret blows. LH gauge glass's top shut off cock blows badly. Regulator gland leaks.	Tender brake adjusted Blocks replaced and adjusted Repacked Repacked Repacked	? Van Vuuren 28-08-90	
w/o	Name illegible 28-8-90			
W. P. Theron	Axlebox wal vale and oil trimmings oak cal from w/o af . Vacuum brake very weak. Steam brake blowing through badly. Loco riding rough on the bissel truck. Tubes blowing badly in smokebox. Blower ring holes need cleaning. Hand brake very weak. LH rivets leak very badly behind kuch other side. Loco is heavy on water. LH & RH pony axleboxes don't take oil. LH & RH bissel axleboxes need packing. Tubes blowing very badly in smokebox.	Axleboxes emptied Oil trimmings emptied Tender brake adjusted	?Van Vuuren ?Van Vuuren	

Illeg. name
17-9-90

**SAR – Locomotive staff report of repairs required to locomotives and/or tenders
and record of work actually done**

Loco no.	Driver's name and date	Repairs required	Work actually done	By whom done, date and time
9-10-90	Destroys vacuum and results in a weak pull on the fire. In the ashpan the boiler's rivets leak so badly that it makes the fire below die and the water just flows out out by the ashpan.			
Illeg. name 6-11-90	Engine stabled 15-10-90	Another illegible name		