

1967-68

MAINTENANCE REPORT - ROLLING STOCK

BODY SECTION:

Repainted completely
(~~Externally~~ and Internally)
"Refresher" coat only
Work performed on roofs -
(1) Recovered
(2) Painted
(3) Patched

Car Nos. 40-37-17-32

Car Nos. 26

Car Nos. _____
No. of Cars 7
No. of Cars 3

12

Accident Repairs -

(1) Major
(necessitating rebuilding
of portion of the body structure)

Car Nos. 28-32-38-18
38-18 caused by rear end col.

(2) Minor
(i.e. footsteps, staunchions,
bumpers, etc.)

No. of Cars 7

TRUCK SECTION:

Overhauled completely

Car Nos. 39-38-14-34-21-
42-28-36-37

No. of wheel sets trued -
(1) In situ

20" - (2) In lath, 4 20"
26 1/2" 26 1/2"
33" 12 33"

Air receivers tested

Car Nos. 37-11

Air compressors overhauled

Car Nos. 17-38-42

No. of brake blocks fitted 20"
33"

185 Average Mileage 3960
807 " " 2340

No. of new tyres fitted 20"
33"

16 " " 82089
36 " " 72940

No. of new centres fitted 20"
33"

NIL
NIL

No. of new trolley wheels fitted

28 Average Mileage 19378

No. of armatures rewound

Make of motor

No. of armatures changed due to
electrical breakdowns

Make of motor
G.E. 201- 3
G.E. 202- 4
W-H-225 2

NOTE: Any additional information considered of value should accompany this
from on an attached sheet.

Works Sept 17-7-68

Destination signs in
tramears black lettering
on white back ground
has now been completed.

1966-67

MAINTENANCE REPORT - ROLLING STOCK

BODY SECTION:

Repainted completely
(Externally and Internally)
"Refresher" coat only

Work performed on roofs -

- (1) Recovered
- (2) Painted
- (3) Patched

Accident Repairs -

- (1) Major
(necessitating rebuilding
of portion of the body structure)

- (2) Minor
(i.e. footsteps, staunchions,
bumpers, etc.)

Car Nos. 41-30

Car Nos. 14-17

Car Nos. 13-37 Envelon

No. of Cars 11

No. of Cars 4

Car Nos. 13

No. of Cars 10

TRUCK SECTION:

Overhauled completely

No. of wheel sets trued -
(1) In situ

20" ~~sets~~ (2) In lath,
26 1/2"
33" 10 sets ~~12 sets~~

20" 7 sets
26 1/2"
33" 12 sets

Air receivers tested

Car Nos. 13-17-36-38-40

Air compressors overhauled

Car Nos. 20-39

No. of brake blocks fitted 20" 185
33" 826

Average Mileage 3912
" " 2320

No. of new tyres fitted 20" 16
33" 32

" " 91427
" " 75770

No. of new centres fitted 20" Nil
33" 4 Second hand

No. of new trolley wheels fitted 31

Average Mileage 15168

No. of armatures rewound

Make of motor

No. of armatures changed due to
electrical breakdowns

Make of motor

4 - W.H. 225
1 - G.E. 202
2 - G.E. 201

NOTE: Any additional information considered of value should accompany this
from on an attached sheet.

64-65

MAINTENANCE REPORT - ROLLING STOCK

BODY SECTION:

Repainted completely
(Externally and Internally)
"Refresher" coat only
Work performed on roofs -
(1) Recovered
(2) Painted
(3) Patched

Accident Repairs -

- (1) Major
(necessitating rebuilding
of portion of the body structure)
- (2) Minor
(i.e. footsteps, staunchions,
bumpers, etc.)

Car Nos. 33-43-18

Car Nos. —

Car Nos. 33
No. of Cars 12
No. of Cars 4

32

Car Nos. 20-11-31

No. of Cars 8

TRUCK SECTION:

Overhauled completely

No. of wheel sets trued -
(1) In situ

20"
26 1/2"
33"

(2) In lathe

20" 7 1/2
26 1/2"
33" 16

Air receivers tested

Air compressors overhauled

No. of brake blocks fitted

20" 215
33" 818

No. of new tyres fitted

20" 4
33" 28

No. of new centres fitted

20" NIL
33" NIL

No. of new trolley wheels fitted

45

No. of armatures rewound

Car Nos. 37, 13, 43, 42, 38, 35
12-17

Car Nos. 12, 18, 34, 35, 38, 40

Car Nos. 33-43-13-20

Average Mileage 3116
" " 2380

" " 83100
" " 75884

Average Mileage 12902

Make of motor

No. of armatures changed due to
electrical breakdowns

2
1
2

Make of motor

W. H. 225
G. E. 201
G. E. 202

NOTE: Any additional information considered of value should accompany this
from on an attached sheet.

MAINTENANCE REPORT - ROLLING STOCK

1962-1963

BODY SECTION:

Repainted completely
(Externally and Internally)
"Refresher" coat only
Work performed on roofs -
(1) Recovered
(2) Painted
(3) Patched

Car Nos. 34-35-42

Car Nos. Nil

Car Nos. 21-17-18-36

No. of Cars 89

No. of Cars 3

Accident Repairs -

(1) Major
(necessitating rebuilding
of portion of the body
structure)

Car Nos. 18-12-28, 20-39, 27, 20-39

20-39 Head on collision
20-39 Rear on collision

(2) Minor
(i.e. footsteps,
staunchions, bumpers,
etc.)

No. of Cars 8

TRUCK SECTION:

Overhauled completely

Car Nos. 11-41-20-42

No. of wheel sets trued -
(i) In situ

20" Nil (ii) In lathe 20" 4
26 1/2" Nil 26 1/2" 11
33" 12 33" 11

Air receivers tested

Car Nos. 11, 20, 21, 42

Air Compressors overhauled

Car Nos. 20-11-13

No. of brake blocks fitted

20" 228 Average Mileage 2780
26 1/2" " " 26 1/2" 11
33" 798 " 2476

No. of new tyres fitted

20" 8 " 90008
26 1/2" " " 26 1/2" 11
33" 32 " 100758

No. of new centres fitted

20" Nil
26 1/2" " 26 1/2" 11
33" 4 Secondhand

No. of new trolley wheels fitted 28

19242"

No. of armatures rewound

W.H. 225 = 3
G.E. 202 = 2

Make of Motor

No. of armatures changed due
to electrical breakdowns

W.H. 225 = 4
G.E. 202 = 3
G.E. 201 = 2

NOTE: Any additional information considered of value should
accompany this form on an attached sheet.

ELECTRICITY SUPPLY DEPARTMENT - PROVINCIAL CITY TRAMWAYS

MAINTENANCE REPORT - ROLLING STOCK

BRANCH Ballarat YEAR ENDING 30-6-62

BODY SECTION:

Repainted completely
(Externally and Internally)
"Refresher" coat only

Car Nos. 20-30-31-28-32

Work performed on roofs -
(1) Recovered

Car Nos. _____

(2) Painted

Car Nos. NIL

(3) Patched

No. of Cars 14

No. of Cars 1

Accident Repairs -

(1) Major
(necessitating re-
building of portion of
the body structure)

Car Nos. NIL

(2) Minor
(i.e. footsteps,
staunchions, bumpers,
etc.)

No. of Cars 7

TRUCK SECTION:

Overhauled completely

Car Nos. 34, 35, 26, 40, 37, 27, 21, 43, 14

No. of wheels sets trued -
(i) In situ

20" NIL (ii) In lathe 20" 5
26 1/2" 14 26 1/2" 14
33" 14 33" 14

Air receivers tested

Car Nos. 14-20-26-28-34-36-37

38-40-41-43

Air compressors overhauled

Car Nos. 39

No. of brake blocks fitted

20" 195 Average Mileage 3080
26 1/2" 868 " " 2228
33" 868 " " 2228

No. of new tyres fitted

20" 16 Average Mileage 98499
26 1/2" 40 " " 95516
33" 40 " " 95516

No. of new centres fitted

20" NIL
26 1/2" 5 Secondhand.
33" 5

No. of new trolley wheels fitted

26 Average Mileage 23397

No. of armatures rewound

Make of Motor
" " "
" " "

No. of armatures changed
due to electrical
breakdowns

5 Make of motor W.H.225
3 " " G.E.201
" " "

NOTE: Any additional information considered of value should accompany this form on an attached sheet.

ELECTRICITY SUPPLY DEPARTMENT - PROVINCIAL CITY TRAMWAYS

MAINTENANCE REPORT - ROLLING STOCK

BRANCH _____

YEAR ENDING 30-6-61

BODY SECTION:

Repainted completely
(Externally and Internally)

Car Nos. 39-37

"Refresher" coat only

Car Nos. 28

Work performed on roofs -

(1) Recovered

Car Nos. 39-12

(2) Painted

No. of Cars 13

(3) Patched

No. of Cars 5

Accident Repairs -

(1) Major

(necessitating re-
building of portion of
the body structure)

Car Nos. 26-27

(2) Minor

(i.e. footsteps,
staunchions, bumpers,
etc.)

No. of Cars 9

TRUCK SECTION:

Overhauled completely

Car Nos. 18-41-28-36-12-38-36

No. of wheels sets trued -

(i) In situ

20" —
26½" —
33" 12

(ii) In lathe

20" 6
26½" —
33" 10

Air receivers tested

Car Nos. 31

Air compressors overhauled

Car Nos. 42-12-20

No. of brake blocks fitted

Size	No. of brake blocks fitted	Average Mileage
20"	<u>227</u>	<u>2688</u>
26½"	<u>—</u>	<u>—</u>
33"	<u>804</u>	<u>2428</u>

No. of new tyres fitted

Size	No. of new tyres fitted	Average Mileage
20"	<u>24</u>	<u>9013</u>
26½"	<u>—</u>	<u>—</u>
33"	<u>28</u>	<u>97325</u>

No. of new centres fitted

20" —
26½" —
33" 5-Secondhand

No. of new trolley wheels fitted

22 Average Mileage 18978

No. of armatures rewound

Make of Motor	No. of armatures rewound
" " "	<u>—</u>
" " "	<u>—</u>
" " "	<u>—</u>

No. of armatures changed
due to electrical
breakdowns

Make of motor	No. of armatures changed
<u>GE 201</u>	<u>2</u>
<u>GE 202</u>	<u>1</u>
<u>W.H. 225</u>	<u>4</u>

NOTE: Any additional information considered of value should accompany this form on an attached sheet.

30-6-61

3 Sets reconditioned brake gear
fitted N°1 & 2 ends

5. Sets new weather blinds fitted

Trams 19-25 Transferred to Bendigo
Tram N°1 Transferred from Bendigo to
Ballarat N°37 Ballarat

Additional lighting installed over
aprons on 1 & 2 ends circuits 4-110V.60W.
pearl 2-110V.60W. red on each end.
25 trams completed

Bumper bar, top sweep & cowl over
apron lights Tetra striped
on 25 trams

D J Irwin

ELECTRICITY SUPPLY DEPARTMENT - PROVINCIAL CITY TRAMWAYS

MAINTENANCE REPORT - ROLLING STOCK

BRANCH

YEAR ENDING 30-6-60

BODY SECTION:

Repainted completely
(Externally and Internally)
"Refresher" coat only

Car Nos. 40-22-11-21-

Car Nos. 17

Work performed on roofs -

(1) Recovered

Car Nos. 40-20-19-25-32

(2) Painted

No. of Cars 10

(3) Patched

No. of Cars 3

Accident Repairs -

(1) Major
(necessitating re-
building of portion of
the body structure)

Car Nos. 26-21-33-20-27

(2) Minor
(i.e. footsteps,
stanchions, bumpers,
etc.)

No. of Cars 16

TRUCK SECTION:

Overhauled completely

Car Nos. 42-11-21-40-17-39-35-19-43

No. of wheels sets trued -
(i) In situ

20	<u>—</u>	(ii) In lathe	20	<u>5</u>
26 $\frac{1}{2}$	<u>—</u>		26 $\frac{1}{2}$	<u>—</u>
33	<u>11</u>		33	<u>121</u>

Air receivers tested

Car Nos. 39-35-21

Air compressors overhauled

Car Nos. 19-11-21

No. of brake blocks fitted

Reserve blocks
(33" = 167 - 20" = 38)

20"	<u>124</u>	Average Mileage	<u>3560</u>
26 $\frac{1}{2}$ "	<u>—</u>	" "	<u>—</u>
33"	<u>833</u>	" "	<u>2360</u>

No. of new tyres fitted

20"	<u>4</u>	Average Mileage	<u>94793</u>
26 $\frac{1}{2}$ "	<u>—</u>	" "	<u>—</u>
33"	<u>12</u>	" "	<u>87438</u>

No. of new centres fitted

20"	<u>—</u>
26 $\frac{1}{2}$ "	<u>—</u>
33"	<u>—</u>

No. of new trolley wheels fitted

21 Average Mileage 18348

No. of armatures rewound

Make of Motor	<u>—</u>
" " "	<u>—</u>
" " "	<u>—</u>

No. of armatures changed
due to electrical
breakdowns

Make of motor	<u>—</u>
" " "	<u>—</u>
" " "	<u>—</u>
	<u>GE. 202</u>
	<u>W.H. 225</u>

NOTE: Any additional information considered of value should accompany this form on an attached sheet.

MAINTENANCE REPORT - ROLLING STOCK

YEAR ENDING 30-6-59

NOTE: Any additional information considered of value should accompany this form on an attached sheet.

Copy
ELECTRICITY SUPPLY DEPARTMENT - PROVINCIAL CITY TRAMWAYS

MAINTENANCE REPORT - ROLLING STOCK

BRANCH

Ballarat

YEAR ENDING

30 June 1958

BODY SECTION:

Repainted completely
(Externally and Internally)
"Refresher" coat only

Car Nos.

Nil

Car Nos.

*Exterior cream repainted 20.35.30.25
21*

Work performed on roofs -
(1) Recovered

Car Nos.

Nil

(2) Painted

No. of cars

6

(3) Patched

No. of cars

3

Accident Repairs -

(1) Major

(necessitating re-
building of portion of
the body structure)

Car Nos.

33. 25. 38.

(2) Minor

(i.e., footsteps,
staunchions, bumpers,
etc.)

No. of cars

14

TRUCK SECTION:

Overhauled completely

Car Nos.

39. 21. 31. 20.

No. of wheels sets trued -
(i) In situ

20

26½

33

(ii) In lathe

20

26½

33

4

10

Air receivers tested

Car Nos.

20. 39. 34. 25. 33

Air compressors overhauled

Car Nos.

33. 28. 41

No. of brake blocks fitted

20"

26½"

33"

159

Average mileage

4104.

"

"

"

2556

No. of new tyres fitted

20"

26½"

33"

1 set of 4

Average mileage

x Guling

"

"

"

101,842

No. of new centres fitted

20"

26½"

33"

1

S.A.

No. of new trolley wheels fitted

17

Average mileage

21,322

No. of armatures rewound

See 11/1

Make of motor

"

"

"

No. of armatures changed
due to electrical
breakdown

45

Make of motor

"

"

"

W.H.225

1 Armature shaft broken W.H.225

NOTE : Any additional information considered of value should accompany this form on an attached sheet.

- 15 Worn brake levers reconditioned
 4 Complete sets of brakes recond.
 1 Worn brake cylinder "
 4 Brake Valves "
 All bogie brake pull rods repaired & annealed.
 2 Broken bogie side frames welded.
 4 Trolley bases reconditioned
 1 Lightning arrester renewed
 All lightning arresters tested.
 4 Saloon seats covered with plastic cloth
 1 Angle iron horn block hups were renewed on 6 Bogie cars.
 2 Derivation scrolls were renewed.
 Polyblend grease lubrication of undergear was fitted on one ^{tram} bogie No 110
 Gear case bolts were renewed on 10 ^{trams} M.H. 225 equipment.
 Boxes for ^{used} ~~new~~ sockets fitted to No 25 tram.
 Damaged end of trams No 25 & 33 repainted.

Total Mileage of all cars.

Total Mileage of Bogie cars 161,657

Mileage for year ended 30 June 1958

Car 11, 20836.3

Breakdowns in service caused by faults totalled 89

Motors	9	Bodies	4
Brakes	17	Tail lights	1
Life guards	4	Governors	3
Wipers & lighting	1	Window glass	5
Controllers	6		
Lighting	2		
Wheels	1		
Trucks	10		
Damaged	14		
Assistance	2		
Trucks	6		
Brake Valves	4		

Calls to Depot staff for assistance in derailments etc.

No 12 Derailed. Gear Stud & Ripon str. Pipe in groove of rail.
17 " Carlson stud loop. (stud)
36 " Back bogie Drum & stud str.
12 " Gear case fallen on track through broken bolt.
33 Motor Def. Grenville stud.
38 Damaged & derailed Lubbock stud.
41 Brake gear drum Schenckstr.

No^o Hodgson

Proje from mileage 1.7.57 to 30.6.58

No. 34	20558.	4.
35	15052.	5
36	11533.	8
38	16054.	4
39.	18872.	6
40	18332.	5
41.	25203.	0
42	17808.	2
43.	18232.	4.
	<u>53333</u>	
	161657	8

Mileage In Jan ended 30 June 1958

Car 11	20836.3	
12	14146 54146.1	
13	23162.9	
14	21431.2	
15	- - -	119576.5
16	- - -	
17	14927.7	
18	(36043.1)	NIL
19	13677.3	
20	14349.7	
21	13037.4	92028.2
24	- - -	
25	10826.7	
26	23109.4	
27	24068.9	
28	22130.3	
30	21089.0	
31	22422.7	
32	22816.6	
33	11739.6	158402.2
369828.9		
292785.9		

add Bogie Mileage

~~369828.9~~

Bogie 161657.8
 S.L. 292785.9
 454443.7 Total Mileage.

472465 18,000

MAINTENANCE REPORT - ROLLING STOCK

BRANCH

Ballarat

YEAR ENDING

June 30th 1957

BODY SECTION:

Repainted completely
(Externally and Internally)
"Refresher" coat only

Car Nos.

N.L.

Car Nos.

N.L.

Work performed on roofs -
(1) Recovered

Car Nos.

N.L.

(2) Painted

No. of cars

12

(3) Patched

No. of cars

4

Accident Repairs -

(1) Major
(necessitating re-
building of portion of
the body structure)

Car Nos.

N-12

(2) Minor
(i.e., footsteps,
staunchions, bumpers,
etc.)

No. of cars

20

TRUCK SECTION:

Overhauled completely

Car Nos.

21. 39. 43

No. of wheels sets trued -
(i) In situ

20

—

(ii) In lathe

20

3

26½

—

26½

—

33

27

33

10

Air receivers tested

Car Nos.

26. 43. 21.

Air compressors overhauled

Car Nos.

26. 42. 38.

No. of brake blocks fitted

20"

118

Average mileage

4504

26½"

—

"

"

—

33"

826

"

"

2372

No. of new tyres fitted

20"

—

Average mileage

—

26½"

—

"

"

—

33"

4

"

"

105,970

No. of new centres fitted

20"

—

26½"

—

33"

—

No. of new trolley wheels fitted

18

Average mileage

24 17,467

No. of armatures rewound

Make of motor

"

"

"

"

"

"

No. of armatures changed
due to electrical
breakdown

3

Make of motor

W.H. 225

"

"

"

"

"

"

Q.E. 201

Q.E. 202

NOTE : Any additional information considered of value should accompany this form on an attached sheet.

Inspector's Office

12-7-57

Mr. Hodgson

Party mileage statement.

Total miles for year ended 30.6.57
490.064 miles

Boogie Seams.

No 34	17925.5
35	18532.2
36	15641.4
38	17921.1
39	18249.9
40	17114.2
41	19479.1
42	6142.9
43	894.5

6 443
13 2900.5

~~515766
490064
25702~~

23 04

L. H. H. H.

General

1957

- ✓ 3 floors covered with malthod.
- ✓ 4 " patched " "
- ✓ 5 sets of weather blinds removed.
- ✓ 4 Cars saloon seats covered with plastic covered cloth.
- ✓ 6 New dismanum scrolls were painted.
- ✓ Scotchlite reflector tape was fitted on aprons of all cars.
- ✓ Body No 24 tram was sold for removal & truck dismantled.
- ✓ Thin ply ceiling was fitted to No 39 tram.
- ✓ Number of body repairs were fixed and the only ones removed were broken.
- ✓ All tram trucks were cleaned & painted.
- ✓ Bogie car No 43. & Guling had body alterations completed,
- ✓ Trucks overhauled, & lubricators installed on rock bearings.
- ✓ Interior of locker room at Depot was painted.
- ✓ Average mileage of signature bearings 97.624
- ✓ Plaster was to insulate gutter on top of bogie cross for protection when climbing on roof to return body pole.

Defective cars run in

BRAKES	MOTORS	TAIL LIGHTS	LIGHTING	TROLLEYS	GOVERNORS	CONTROLLERS	JUMPING POINTS	LIFE GUARDS
TT 13	$\frac{9}{10}$	2	$\frac{3}{4}$	$\frac{7}{8}$	2	3	1	3

WINDOWS	AXLE BOXES	COMPRESSORS	DAMAGED.	NOISY GEARS	TOO ROUGH
2	2	6	13	2	1

(65)

Breakdowns requiring Depot Personnel.

- 17 Car supposed motor Def. (No fault) P.S. Auto out. ^{P.M.} 1-10
- 20 Car Derailed MacArthur & Drummond struts ^{P.M.} 5-0.
- 12 Car Trolley pole hooked in overhead trolley wire. ^{A.M.} 10-0
- 35 Car. Derailed back lagie Car strut & Drummond struts ^{A.M.} 7-0.
- 35 Car. " Barkly strut. side bearing defective. ^{A.M.} 10-30.
- 36 Car. " Hyatt Rd & Vic struts 5-10