DCA17FR003
SEPTA
Collision of Trolley Car 9085 and 9101
38th Street and Lancaster Avenue
Philadelphia, PA
January 4, 2017

Attachment 2

LRV 9085 Post Accident Brake Performance Testing Record

LRV Accident/Incident Investigation Report

Single-End Fleet

General Information

Vehicle #: 9085 Rt/Blk: _____ Date: 01/06/17 W.O. #: _____

Operator #: _____ Time of Incident: _____ Location: _____

Description of Accident/Incident: _____

Investigation Information

Device	Preparation	Action	pass	fail	Requirement
Track Brake	Turn off the zero speed relay	1. Brake pedal to emergency 2. Activate plunger 3. Activate track brake switch	☑ ☑ ☑	☐ ☐ ☐	For each action all four track brakes must contact the rail
Sanders	Turn off the zero speed relay	1. Brake pedal to emergency 2. Activate plunger 3. Activate sander switch	☑ ☑ ☑	☐ ☐ ☐	For each action both sanders must activate and discharge sand
Gong	Turn off the zero speed relay	1. Brake pedal to emergency 2. Activate plunger 3. Activate gong switch	☑ ☑ ☑	☐ ☐ ☐	For each action verify gong sounds
Horn		Activate the horn switch	☑	☐	Verify horn sounds
Brake Lights	Run – doors closed	Depress brake pedal	☑	☐	Verify brake lights on

Note that the following rates are all Average g.			Record actual values	
Brake Rates	Follow brake rate procedure	1. Full service with dynamics 2. Full service air only 3. Brake pedal emergency 4. Emergency plunger	.147g .130g .288g .303g	1. .135g to .165g 2. >.122g 3. >.245g 4. >.270g

Comments: Radio check OK 16:34. "PRTT" [redacted]
Lungs checked OK [redacted]

Mechanic Signature: [redacted] Date: 01/06/17

Supervisor Signature: [redacted] Date: 01/06/17

Rev. B

Southeastern Pennsylvania Transportation Authority

PCC II - LRV WHEEL INSPECTION SHEET

Car No.: 9085 Date: 01/06/17 Inspected By: [redacted]

Signature

Did all wheels pass diameter test? (Condemning limit = 24")	Y (Y or N)
Did all wheels pass flange height? (Condemning limit = .5" min or FH at 4)	Y (Y or N)
Did all wheels pass flange width? (Condemning limit = .820" min or FW at 4)	Y (Y or N)
Did all wheels pass flange angle test? (using gage # C-4032-B)	Y (Y or N)
Did all wheels pass hub gap test? (Condemning limit = max .15" or "SAB MIN TIRE GAP" tang	Y (Y or N)
Did all hardware pass visual inspection?	Y (Y or N)
Did all wheels pass visual inspection for flats, shelling, resilient block condition, etc. ?	Y (Y or N)
Did all wheel sets pass the resistance test?	(Y or N)

	FH	FW	DIA
1	1	1	26.10
2	A	1	26.15
3	2	1	26.20
4	0	1	26.20
5	2	1	26.00
6	0	0	26.00
7	0	1	26.20
8	0	A	26.10

#1 TRUCK

AXLE #

MOTOR #

GEAR #

RES 4000 MICRO-OHMS

RES MILLI-OHMS

#2 TRUCK

AXLE #

MOTOR #

GEAR #

RES 4000 MICRO-OHMS

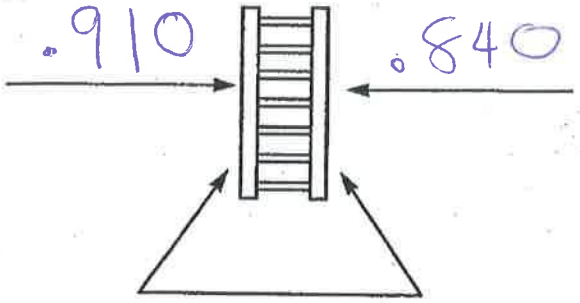
RES MILLI-OHMS

PCC II - LRV - ROTOR DATA

VEHICLE—

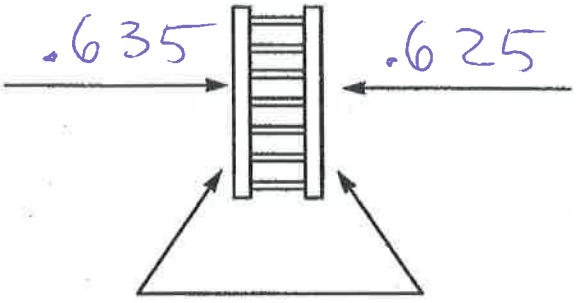
1 - AXLE

FRONT



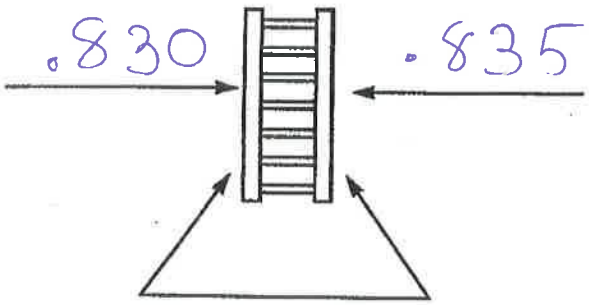
4.250

2 - AXLE



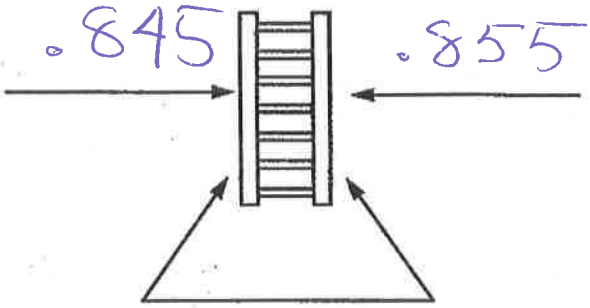
3.925

3 - AXLE



4.345

4 - AXLE



4.285

REAR

LRV ROTOR SPECS CONDEMNATION—4.2.2.2	PCC II ROTOR SPEC CONDEMNATION
OVERALL—3.33	OVERALL—1.176
ONE FACE—0.315	