RRD18MR001 Amtrak Collision Cayce, SC February 4, 2018

## **Attachment 1**

Amtrak Passenger Train 91 FRA Class I Brake Test Records

MAP 1173	1- Class I Tra	in Brake T	Time	Loco I		Loca		Cab Car	MAP 11	mber of Cars	4		120
Date 2/3/1 Select Valume O Cut-In	O WA O	:100 A	nal Tra	ain Set A	4	cation	Endo	Per 2.1	o. Move Sig	gature	1		
Cur-our	1	Inoperative.	过过	0	ECP		Date	1		- O PM		Car 49 Car	
Class 1 Bra	ke Test / Lite 18	comount of	nsist Brai	ke Test	has been p	performed in	accordance with	AMT-3 In	structions 2.	16, P4.2.1, c	or NP 4.2.1		
loco/Cab-cat	MM/DD/YY	T	ime		# of Cars	Col	ndition of Brakes		Communica	ation Signal		Engineer Signature	
600	2/3/18	Rely C	AM C	) PM	7	Acceptable	le Unacceptabl	le	Operative	O Inoperative	9		
Tale	.2/3/1	1177 C	) AM (	3 PM	1	Acceptabl	e O Unacceptabl	le	Operative	Inoperativ	e		
47	963/18	500		PM.	7		le O Unacceptabl	Jan 1	Operative	O Inoperative	e		
一样	2-3-18	HH:MM 5330 C	) AM	J PM	7		le O Unacceptable		Operative	O Inoperativ	e -		7
47	paloslis	The state of the s	). AM	Married Committee		Acceptab	le O Unacceptabl	le	O Operative	O Inoperativ	e		
		ннемм	) AM C	O PM		O Acceptab	le O Unacceptab	ole .	Operative	O Inoperation	re de	1.4.	
		нн:мм	) AM (	O PM .			ole Unacceptab		O Operative		-		
		HH:MM	) MA C		1		O Unacceptat		O Operative	O. Inoperati	ye		
					-		Car Daily Inspe	ection	2	1			-
InspectorI/E/	C-1:			1. 44 /10	PA V	Inspect	OF1/E/C-1:					;	1
Inspector1/E/	C-1:					Inspect	or1/E/C-1:		-			1992	
Inspector1/E/			-				orl/E/C-1:	5000 P					
Inspectort/E/		1/8	E/C-1		1/E/C	Inspect			I/E/C-1			I/E/C-1	
Inspectort/E/	C-1:	1/8	E/C-1		1/E/C	Inspect	orI/E/C-1:		I/E/C-1			I/E/C-1	
Inspectort/E/	C-1:	1/5	E/C-1		1/E/C	Inspect	orI/E/C-1:		I/E/C-1			I/E/C-1	
Inspectort/E/	C-1:2  Similar reconstants  /E/C-4	1/8	E/C-1		I/E/C	Inspect	orI/E/C-1:		I/E/C-1			I/E/C-1	
Inspectort/E/	C-1:2  Similar reconstants  /E/C-4	1/8	E/C-1		1/E/C	Inspect	orI/E/C-1:		I/E/C-1			/E/C-1	
Inspectort/E/	C-1:2  Similar reconstants  /E/C-4	1/8	E/C-1		I/E/C	Inspect	orI/E/C-1:		I/E/C-1			/E/C-1	
Inspectort/E/	C-1:2  Similar reconstants  /E/C-4	1/5	E/C-1			Inspect	orI/E/C-1:		I/E/C-1			/E/C-1	
Inspectort/E/	C-1:2  Similar reconstants  /E/C-4	1/8	E/C-1			Inspect	I/E/C-1		I/E/C-1			s   Brake Tes	
Inspectort/E/Consist: als	C-1:2  Similar reconstants  /E/C-4	Restriction				Inspect	Exterior Inspection	(QMP)		roham delects	C-1 = Clas	s I Brake Tes	
Inspectori/E/ Consist: also  Interior Inspectoring  Actual De appeto	C-1:)  Itinit' lession:  /E/C-1  B S S S S S S S S S S S S S S S S S S	Restriction to the second seco			or example.	'A' end, "B' en	Exterior Inspection  Id. Upper fevel, etc.	(QMP)	dentify exact p	roham detects	C-1 = Class	s I Brake Tes ples below. ke:	
Inspectort/E/Consist: als	continue to the continue of th	Restriction of the second of t			or example.	'A' end, 'B' er	Exterior Inspection od, Upper level, etc.	(QMP) Also try to	identify exact p	Pote Repairs	C-1 = Class See exam namic Bra noperative utout	s I Brake Tes ples below. ke:	
Inspectori/E/ Consist: els  25  25  25  25  25  25  25  25  25  2	continue respective of the continue of the con	Restrictions as Defendance of the Contract of			or example.	A' end, 'B' en	Exterior Inspection od, Upper level, etc.	(QMP)  Also try to  Inoperati	identify exact p	roham defects	C-1 = Class See exam namic Bra noperative utout	s I Brake Tes ples below. ke:	
Inspectori/E/ Consist: als  Interior Inspectorions  Acres Bo species  Side toading  Won't open is  Blocked close	continue respective of the continue of the con	Restriction of the property of			or example.	A' end, 'B' en	Exterior Inspection od, Upper level, etc.	(QMP)  Also try to  Inoperati	identify exact p	Pote Repairs	C-1 = Class See exam namic Bra noperative utout	s I Brake Tes ples below. ke:	
Inspectort/E/ Consist: als  Interior Inspector Inspector  Interior	rection (QP)  section (QP)	Restriction as a Belgion as a B	pen or sk	ocation, f	or example.	A' end, 'B' end A/Intercom Sy Inoperative Too laud/soft	Exterior Inspection ad, Upper level, etc.	(QMP)  Also try to  Air Comp  Inoperati  Low	identify exact p	Date Repairs Completed	C-1 = Class See exam namic Bra noperative utout	s I Brake Tes ples below. ke:	
Inspectort/E/ Consist: als  Interior Inspector Inspector  Interior	c-1: Itimiz' tesmigno /E/C-1  Dection (QP)  Section (QP)	Restrictions  A Defendance  Better  Be	continue	ocation, f	or example.	A' end, 'B' en A/Intercom Sy Inoperative Too laud/soft	entries are required	(QMP)  Also try to  Air Comp  Inoperati  Low Area	identify exact pressor: ve sure	Date Repairs Completed	C-1 = Class See exam namic Bra noperative utout	s I Brake Tes ples below. ke:	
Inspectori/E/ Consist: also  Consist: also  Interior inspectorions  Anticon Be abact  Side toading  Won't open S  Blocked close  Car #/Loco &	c-1: Itimiz' tesmigno /E/C-1  Dection (QP)  Section (QP)	Restrictions.	continue	ocation, f	or example.	A' end, 'B' en A/Intercom Sy Inoperative Too laud/soft	entries are required  Repairs Assets be reported in with FRA CFR49-238-303	(QMP) Also try to Air Comp Inoperati Low	identify exact pressor: ve sure	Date Repairs Completed	C-1 = Class See exam mamic Bra hoperative utout	Signature  VRPC 3294	

4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4													
MAP 1173 -	Class	LTr	ain Brake Test	Lite Lo	comotive	Consis	t Brake Te	est	<u> </u>				
Controlling Locor	notive#	5	Loco #	Loca	#		Loco #		Cab Car #	Number	of Cars		
Date 2/3/18	5	нн:мі		ne O PM	L	ocation	SSYN	1	Lite Loco. Move Per 2.16	Signatur	e	, as a 2	
Select Volume Pos	ition	Comn	nunication Signal	Train Set	For		1	End of	of Train Device				
-	) N/A	0	Operative	Gradu	ated O Di	rect EOTI	)#	Date	нн:мм	Time	Lo	cation	
Cut-out	,,	0	Inoperative	Rel.	N FIGT	el.		- 6	O AM O PM				
O car our			·	(	) ECP								
Class 1 Brake 1	rest / Lit	te Lo	comotive Consist	Brake Tes	t has been	performe	d in accorda	ance with AN	1T-3 Instructions 2.16, P4.2.1,			IP 4.2.1.	
Loco/Cab-car #	Date MM/DE		Time		# of Cars		Condition of	Brakes	Commi	inication Sig	nal	Engineer Signature	
			HH:MM O AM	O PM		O Acce	ptable O	Unacceptable	Operative O Inoperative				
			HH:MM O AM	O PM		O Acce	ptable O	Unacceptable	Operative   Inoperative				
			HH:MM O AM	O PM		O Acce	eptable O	Unacceptable	O Operat	ive O Inope	rative		
			нн:мм О ам	O PM		O Acce	ptable O	Unacceptable	O Opera	tive O Inope	rative		
			нн:мм О ам	O PM		O Acce	ptable O	Unacceptable	O Opera	lnope	rative		
			НН:ММ О АМ	O PM		O Acce	ptable O	Unacceptable	O Operat	ive O Inope	rative		
			MH:MM O AM	ОРМ		O Acce	ptable O	Unacceptable	O Opera	live O Inope	rative		
			HH:MM OAM	O PM		O Acce	ptable O	Unacceptable	O Operat	ive O Inope	rative		
				10C S	ummary	- Passenger Car Daily Inspection							
InspectorI/E/C-1:			1			insp	ectorI/E/C-1:	1					
InspectorI/E/C-1:	1		<u> </u>			Insp	ectorI/E/C-1:						
InspectorI/E/C-1:						Insp							
Consist:						InspectorI/E/C-1:							
I/E/C-	1		I/E/C-1		I/E/C-	1	1/E/C-1 1/E/C-1 1/E/C						
2500	77												
4 30	J T												
250	+2												
2 507	20												
780	02												
670	12												
620	08												
610	48												
											hilas		
l=Interior Inspec						E=I	Exterior Insp	ection (QMP)			C-1 = Cl	lass I Brake Test	
Car(s) above Have	No Oper	# Co	Restrictions r #, & Defects; listing	location for	example "A"	end "B" er	d. Upper leve	I, etc. Also try t	o identify exact pro	blem defects	See exa	amples below.	
		m, Od	End Doors			ntercom Sy			npressor:		/namic B		
Side Loading Doo - Won't open or clo				close	- Ino	perative loud/soft		- Inoper	ative	- 1	noperativ		
- Blocked close	- Won't open or close - Blocked close - Broken								r Pressure	Date Repairs	Cutout	Signature	
Car #/Loco #	Car #/Loco # Defects						Кераі	rs Made		Completed		Jighatule	
				1	4	,	/ ) /	5	MA				
21-6									11/1	-			
	Car(s) above Have Operating Restrictions. Continue listings on back of this form if more entries are required.												
EDA Dula 000 se suia	on that incr	nerative	eide doors and doors	PA/Intercom s	vsterns, air com	compressors & dynamic brakes be reported in writing to the train's crew. This form, MAP1173/10C Summary, NRPC 3294						ummary, NRPC 3294	

FRA Rule 236 requires that inoperative side doors, end doors, PA/Intercom systems, air compressors & dynamic brakes be reported in writing to the train's crew. This form, MAP1173/10C Summary, NRPC 3294 serves as written notification. All equipment noted on this form has received a daily inspection in accordance with FRA CFR49-238.303 & 305.

Condition En Route on back of form.



Amtrak Maintenance Analysis Program Exterior/Interior Calendar Day Inspection

Α		Exterior/interior Calendar Day Inspect	HOL
Date Train Consist or	Train Consist or	Train Consist Unit Number(s) – If applicable	
Car Inspected:	Car Number:		
2/3/18	91	25037 25072 25020 28002 62008 61048	
<u>NOTE</u> : t If this is a	Train Consist i	nspection, apply Train Consist # and list applicable Car Number(s).	
		ection, apply Car #.	
Inspection to be	completed eve	by relender day that aguinment is placed in service	

Exterior Inspection. Inspection can be performed on all car types with cars coupled and without placing over a pit.	Reference	Employee(s) performing Inspection:
Undercarriage Mechanical Inspection	02-0001	55
Hot Journal & Wheel Slide Detection System Inspection	12-0011	
Wheel Slide Sensor Inspection	12-0013	
Coupler Visual Inspection	03-0001	<i>y</i>
Under Car Electrical & Equipment Cabinet Inspection	01-0003	5
Exterior Signage Inspection	01-0053	-
Exterior Door Inspection	06-0001	
Waste Tank Drain and Rinse	13-0015	
Car Watering	17-0001	
Class One Daily Brake Test	10-0020	

Additional Cab Car Inspection with cars coupled and without ple		Reference	Employee(s) performing Inspection:
Air Brake Departure Test	Note: Complete MAP 100	10-0001	NA
Car Radio Operation		08-0002	WA
Operating Cab and Lighting Inspe	ection	15-0001	NK
Test Cab Car Propulsion Control		09-0001	NH
Inspect Plow Height and Brake H	loses	01-0010	NH
Test and Inspect IITS (ATS) N	ote: Complete MAP 100.	11-0001	pik
ITCS Test <u>No</u>	ote: Complete MAP 100.	11-0002	NK
ATC-ACSES Inspection N	ote: Complete MAP 100.	11-0003	NA
Check for Control Circuit Ground <u>No</u>	ls with Test Light <u>te</u> : NPCU Equipment Only	04-0003	pict
Inspect HEP Power Cables, Jumpe <u>Not</u>	r Cables, and Receptacles <u>te</u> : NPCU Equipment Only	20-0006	NA
APPROVALS	PRINT NAME (LEGIBLY)	SIGN	ATURE DATE
Foreman:	John Der		2-3-18
General Foreman:	hyle Gilland		85 EG

Inspector J. The	Date 2 03 29/8
Unit Number	·
1. Record Air Temp @ Return Air Grill (72-74 Degrees)	Temperature
A \ End	
B \ End	7-2
2. Record Refrigerator Temp (33-40 Degrees)	Temperature
1. Refrigerator	36
2. Refrigerator	36
3. Refrigerator	36
4. Refrigerator	34
5. Refrigerator	38
3. Record Freezer Temp	Temperature
(0 Degrees or below except Ice Storage Bins)  1. Freezer	-4
2. Freezer	2
3. Freezer	- 2
4. Freezer	-5
5. Freezer	N/A-
4. Dishwasher Operation	Yes No
A. Cycle Dishwasher	Nh
B. Rinse Temp (190 degrees)	NIA
C. Free of Water Leaks	NIA
5. Record Grill Temp. (+/- 50 degrees)	Temperature
A. Left Side	NA
B. Right Side	NIA
	Tomporefuse
6. Record Steam Table Temp.  A. Left Side	Temperature

B. Right Side

F 로 note: all fandings wall be entered in wars **ZHANDAN** Therted Panala ere Arrage Pemals AM withers one Celling Pomels 퉑 Bourn 13 了大不是 ij Reserve Lin 433 Ceiling Raference / Workshoot Shoot 뉣 "FUDDIMETTING" Bourn B Ę Fallune Motec Failura Mote: aillure Mode. allura Note: allune Note: Faillure Mode: Fallume Moter tailure Motet 픾 Roam is À N. 中正品品 回 Ħ が I.Midelate, and M.I. **ਜ** # of Panels Chapbed MADE N # of Penets Chacked, # of Panels Chadbad World Pame to Checked # of Panels Ohacked # OF Persels Chadded 新 or Panels Chashbed # or Pamela Chabbed 信 벍 ALUMINITURE DE "阿瓦尔尼口口河河 Appen A C. Pamels With Mod not secured Or Pamals with bruken fasteners B. Parsels With Mod broden A: Pemels Wathout Mod Ana Room Cer Number (201 Car Murriber Car Mumber Failures Car Mumber Car Mumber Car Mumber Car Mumber Car Number **P** 



Maintenance Analysis Program Worksheet

Defect(s) found dur	ing Inspection	Corrective Action Taken (Define action(s) taken to resolve defect)	WMS WO# (If Applicable)	Signature (Employee Completing Corrective/Action)
62008 Room	#3	Replaced		Corrective greenens
Control BOX	B/0 (D			
Reading tidt	- Pixture	Replaced		-
115 B/D (0)	, , , , , , ,	,		
Dump Valve	B-end	Replaced		
13/0 D		, - /		
250B - AM M	of the orbin Asil	Derved	0	
The state of the s	a uco in man	CALLED CO.		1
NOTE: If Corrective A	ctions cannot be com	l pleted at time of closing this form; a W	ork Order must	be opened for any
defect not yet r	epaired and the Work	Order Number must be noted on appr	opriate row.	1
U Then	N.	John Do	Ric	
Employee Validating Inspe	ction (Print Legibly)	Employee Validating Corrective	Action Completed (	Print Legibly)
Date / Time of I		Z-3-18		
The above inspection has be	en performed, with	Date / Time correct The been p	erformed, except	
ex and the	report is approved.		is approved.	
Signature Le	Occupation			In II
	7	Signature  Employee Releasing Unit for Service	19000000	Occupation
Date / Time Unit Released for Service:	Print Legibly:	Employee Releasing Unit for Service	Occupation	Fm11
Train or Unit Number:	Train Consist Unit Nun	nber(s) – If applicable	0.0	
12	25034 25072	25020 28002 62012 620	08 61048	



	Part Number													
	ТОС													
	WMS W.O.#													
36	By (Initials)		<u> </u>	:										
Dispatched as Train No.	Action Taken	Reblace dight fixture		Reblace Reading light of	control box. Replace leading	ازار رمادر	3							
Unit No. 62003	Defect Description	02/02/18 Room 3 Read 1064 on 16	CONTROL TOTAL	Rowin 3 lead 11057 Right Replace Reading light &	Sind certifications		Prom H + the heard want	of the chart such as the	205. H.100	Room B the hard surt	of the lat chair velous	14 20 4 12 BYELDS.	Poor I same like room	Hand B pight Sect
A	Date	02/02/18												
<b>MAP 21A</b>	Inbound Train #	26												

White - Retained at Facility Completing Repair

Yellow - Conductor

Pink - Retain in Book

1

AMTRAK®

**MAP 21A** 

Unit No. 62012

20 Dispatched as Train No.\_ Part Number LOC WMS W.O.# By (Initials) Action Taken Defect Description DAR 2-3 Date Inbound Train #

White - Retained at Facility Completing Repair

Yellow - Conductor

Pink - Retain in Book

AMTRAK®

G 0368822		Part Number						:			
		TOC									
		WMS W.O.#									
		By Mals)									
	Dispatched as Train No. 52	Actjon Taken	A	,							
20	Unit No. 23602	Defect Description	Jan 2								
	MAP 21A	Inbound Train # Date	2-3								

White - Retained at Facility Completing Repair

Yellow - Conductor

Pink - Retain in Book



	Unit No. 25037	Dispatched as Train No.	N			
	Defect Description	Action Taken	By	WMS W.O.#	TOC	Part Number
3	シャド	7				

White - Retained at Facility Completing Repair

Yellow - Conductor

Pink - Retain in Book

2

Dispatched as Train No.

AMTRAK

**MAP 21A** 

Part Number LOC WMS W.O.# By (Initials) Action, Taken Unit No. 25572 Defect Description ROFF 7-3 Date Inbound Train #

White - Retained at Facility Completing Repair

Pink - Retain in Book

Yellow - Conductor

	Part Number								
)	TOC								
	WMS W.O.#								
2	By itids)								
Dispatched as Train No. 52	Action Taken	0							
Unit No. 25020	Defect Description	ADE							
MAP 21A	Inbound Date	N							
MA	Inbo								

White - Retained at Facility Completing Repair

Yellow - Conductor

Pink - Retain in Book

AMTRAK®

Unit No.

**MAP 21A** 

14019

Dispatched as Train No.

Part Number							
TOC							
By WMS (Initials) W.O. #							
Action Taken	4						
Defect Description	704						
Date	12						
Inbound Train #	<del> </del>						

White - Retained at Facility Completing Repair

Yellow - Conductor

Pink - Retain in Book