#### SMP 1173

# Southern California Regional Rail Authority

Class 1 Brake Test and Inspection Certificate

ISE SEPARATE REPORT FOR EACH UNIT IN	t the CEI	2 title 49 parts 229.21	and 236.587.		
Each locomotive unit shall be inspecte Cab Card SMP 101 must be signed.		title 45 parts ===	PLACE	DATE	TIME
EMPLOYEE MAKING DAILY INSPECTION	EMPLOYEE #	OCCUPATION		4-25-18	Winem
Note m.	10201904	ens	CIMF	14-65-10	1.707
		CLASS 1 BRAKE TE	EST		100 May
lass 1 Brake Test has been satisfactorily p	erformed as required by CF	R 49 Part 238.313 or 23	2.12 for freight/work trai	DATE	TIME
MPLOYEE PERFORMING TEST	EMPLOYEE#	OCCOPATION		1.	411700
Note M.	10201904	cm	CMF	4-25-18	-10177
OCO# 85-3 LOCO# -	LOCO#	CAB CAR# CG	2	NUMBER OF CARS	
	FXTERIC	OR & INTERIOR IN	ISPECTION	AND ASSESSED.	21/2000
ollowing equipment has received an Exter	ior and Interior Calendar Da	y Mechanical Inspectio	n as required by CFR 49	Part 238.303 and 238.305.	
AR# C62 CAR#	CAR#	CAR#	CAR#	CAR#	CAR#
MPLOYEE PERFORMING EXTERIOR INSPECTION	ON EMPLOYEE#	OCCUPATION	PLACE	DATE	TIME
whate and	10201901	con	CMF	4-25-18	4:02PM
MPLOYEE PERFORMING INTERIOR INSPECTIO		OCCUPATION	PLACE	DATE	TIME
Note in	10201904	cm	cm	4-25-18	4:307m
		VE TRAIN SE		ED RELEASE	DIRECT RELEASE
ss 1A Brake Test has been satisfactorily perf	ormed as required by CFR 49 P				
ss 1A Brake Test has been satisfactorily perf	formed as required by CFR 49 P EMPLOYEE #			DATE	TIME
ss 1A Brake Test has been satisfactorily perf PLOYEE PERFORMING TEST	ormed as required by CFR 49 P EMPLOYEE #	CLASS 1A, BRAKE Tart 238,315 OCCUPATION	PLACE		
	ormed as required by CFR 49 P EMPLOYEE #	CLASS 1A. BRAKE Tart 238.315	PLACE		
	EMPLOYEE #	CLASS 1A. BRAKE Part 238.315 OCCUPATION  ATS DEPARTURE T OCCUPATION	PLACE PLACE PLACE	DATE	TIME
	ormed as required by CFR 49 P EMPLOYEE #	CLASS 1A. BRAKE art 238.315 OCCUPATION  ATS DEPARTURE T	PLACE	DATE	TIME
PLOYEE PERFORMING TEST Nede M.	EMPLOYEE #	CLASS 1A. BRAKE To art 238.315 OCCUPATION  ATS DEPARTURE TO CCUPATION  CM  ATS DEPARTURE TO CCUPATION	PLACE PLACE PLACE CMF	DATE 9-25-18	TIME TIME 4'25PM
PLOYEE PERFORMING TEST Nede M.	EMPLOYEE #	CLASS 1A. BRAKE Tart 238.315 OCCUPATION  ATS DEPARTURE TO OCCUPATION  C.M.	PLACE PLACE CMF	DATE	TIME
PLOYEE PERFORMING TEST Nede M.	EMPLOYEE #	CLASS 1A. BRAKE To art 238.315 OCCUPATION  ATS DEPARTURE TO CCUPATION  CM  ATS DEPARTURE TO CCUPATION	PLACE PLACE PLACE CMF	DATE 9-25-18	TIME TIME 4'25PM
PLOYEE PERFORMING TEST  Nede M.  OYEE PERFORMING TEST	EMPLOYEE#  I U 2019CH  EMPLOYEE#	ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION	PLACE PLACE CMT PLACE CMT	DATE  DATE  9-25-18  DATE	TIME TIME 4'.25 Port
PLOYEE PERFORMING TEST  LOYEE PERFORMING TEST  DYEE PERFORMING TEST	EMPLOYEE #  EMPLOYEE #    O 2019CU	CLASS 1A. BRAKE TO COMPATION  ATS DEPARTURE TO COCUPATION  ATS DEPARTURE TO COCUPATION  OCCUPATION  OCCUPATION  OCCUPATION	PLACE  PLACE  CMF  PLACE  PLACE  PLACE  PLACE  PLACE	DATE  DATE  DATE  DATE  DATE	TIME  TIME  4'25 Por
PLOYEE PERFORMING TEST  Note M.  LOYEE PERFORMING TEST	EMPLOYEE#  I U 2019CH  EMPLOYEE#	ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION	PLACE PLACE CMT PLACE CMT	DATE  DATE  9-25-18  DATE	TIME TIME 4'.25 Port
PLOYEE PERFORMING TEST  LOYEE PERFORMING TEST  OYEE PERFORMING TEST  Wake M	EMPLOYEE #  EMPLOYEE #  I O 201904  EMPLOYEE #  PEMPLOYEE #	CLASS 1A. BRAKE TO COMPATION  ATS DEPARTURE TO COCUPATION  ATS DEPARTURE TO COCUPATION  OCCUPATION  OCCUPATION  OCCUPATION	PLACE  PLACE  PLACE  CMT  PLACE  CMT  PLACE  CMT  PLACE  CMF	DATE  DATE  DATE  DATE  DATE	TIME  TIME  4'25 Por  TIME
PLOYEE PERFORMING TEST  LOYEE PERFORMING TEST  DYEE PERFORMING TEST  Wake M	EMPLOYEE #  EMPLOYEE #    O 2019CU	ATS DEPARTURE TO OCCUPATION  TO DEPARTURE TO OCCUPATION  TO DEPARTURE TO OCCUPATION  OCCUPATION  TO DEPARTURE TO OCCUPATION  OCCUPATION  TO DEPARTURE TO OCCUPATION  OCCUP	PLACE  PLACE  CMT  PLACE  CMT  PLACE  CMF	DATE  4-25-18  DATE  DATE  4-25-18	TIME  4'25PM  TIME  4'25PM
PLOYEE PERFORMING TEST  Note M.  LOYEE PERFORMING TEST  DYEE PERFORMING TEST  Wase M.  ATS 02	EMPLOYEE #  EMPLOYEE #  102019CL  EMPLOYEE #  PEMPLOYEE #  PEMPLOYEE #  102019CL  A  EMPLOYEE #  2019CL  21738C	ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  COUPATION  COUPATION  COUPATION  SEAL NUMBERS	PLACE  PLACE  CMT  PLACE  CMT  PLACE  CMT  PLACE  CMT  PLACE  EST  PLACE  PLACE  EVENT RECORD	DATE  9-25-18  DATE  4-25-18  DATE  4-25-18	TIME  4'25 PO1  TIME  4'20 PM
PLOYEE PERFORMING TEST  LOYEE PERFORMING TEST  DYEE PERFORMING TEST  WATE  ATS  ALERTOR  O 2	EMPLOYEE #  EMPLOYEE #  10201904  EMPLOYEE #  P  EMPLOYEE #  A0201904  15834	ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  COUPATION  COUPATION  COUPATION  SEAL NUMBERS	PLACE  PLACE  CMF  PLACE  CMF  PLACE  CMF  EST  PLACE  CMF  EVENT RECORD  SPEEDOMETER OVERSPE	DATE  DATE  9-25-18  DATE  4-25-18  DATE  02144  02158	TIME 4'25701  TIME 4'25701  TIME 4'20705
PLOYEE PERFORMING TEST  NEWER M.  LOYEE PERFORMING TEST  OYEE PERFORMING TEST  WELLEM  ATS 02  ALERTOR 02  PTC PNEUMATIC PENALTY 02	EMPLOYEE #  EMPLOYEE #  I D 201904  EMPLOYEE #  PEMPLOYEE #  AD 201904  PEMPLOYEE #  AD 201904  AD 201904  AD 201904	ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  COUPATION  COUPATION  COUPATION  SEAL NUMBERS	PLACE  PLACE  CMF  PLACE  CMF  EST  PLACE  CMF  EVENT RECORD  SPEEDOMETER OVERSPE  DOOR OVERR	DATE  DATE  4-25-18  DATE  4-25-18  DATE  4-25-18  DATE  02158  02337	TIME 4:25 PM  TIME 4:20 PM  73  34
ATS OZ ALERTOR O 2	EMPLOYEE #    EMPLOYEE #    10201904    EMPLOYEE #    10201904    EMPLOYEE #    10201904      102019	ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  ATS DEPARTURE TO OCCUPATION  COUPATION  COUPATION  COUPATION  SEAL NUMBERS	PLACE  PLACE  CMT  PLACE  CMT  PLACE  CMT  PLACE  CMT  PLACE  CMT  PLACE  DOOR OVERR  ZERO SPE	DATE  DATE  9-25-18  DATE  4-25-18  DATE  02144  02158	TIME  4'25 Pon  TIME  4'25 Pon  TIME  4'20 Pm  73  34  996 54

DATE **EVERY 15 DAYS** DIESEL LOCOMOTIVES TAKE ENGINE LUBE OIL SAMPLE TRANSPORTATION BOMBARDIER 3/15/18/12:23 1 125/18 3/4/8/3/16AM DATE TIME 30/18/12/16/M WIFE INDO M EMF. EMPLOYEE PERFORMING EXTERIOR INSPECTION DETAM EMY EN F EME CMI 四个 る社 Emt AME LOCATION CAR# DATE 44 60 **EVERY 15 DAYS ENGINE LUBE OIL SAMPLE** 4-10-164:11PM DATE DIESEL LOCOMOTIVES TAKE 4.9-18 3:10 M 4/9/8/23/1 Wa, CI 81.9.4 4/2/18 1230AM 11/18 235M 4/8/18 1008AM CMF. 110/18 130A M 1-5-18|3:00PM MAGC: TIME 1.15AM EMPLOYEE # EM-CMF COME the same LOCATION 75 Unit No. FRA RULE NO. 229 INSPECTION RECORD OCCUPATION 4/18/16 M/21/8 10:21/A M/12/18 11:40 MM DATE TIME 4/9/8/123M DATE 4 19 18 10:33 AM 4/18/18 12:50 AM EFF FONF ENGINE LUBE OIL SAMPLE EVERY | ENGINE LUBE OIL SAMPLE 4-18-18 216 M 1/1/8/08/MIEST **COMPRESSOR AT 45th DAY** 15 DAYS AND GEARBOX AND AIR DIESEL LOCOMOTIVES TAKE 16/c 12:35M BOMBARDIER MASS TRANSIT SCAX 853 TO JOM KOA M No. C. 11:20 M PLACE Em? 多 LOCATION ゴド EMF. the CME 11/6 CWF CW 4-24-18 10:05M DATE 1-25-18-41 18-M **EVERY 15 DAYS** DIESEL LOCOMOTIVES TAKE DATE DATE 1243AM ≤ 3 3 3 3 3 3 3 3 3 イグフ CME LOCATION REV. 7/98 SMP 101

THIS RECORD CARD TO BE CARRIED IN LOCOMOTIVE

LOCATION

LOCATION

LOCATION

LOCATION

THROTTLE (IDLE THRU 8)
1) REVERSER HANDLE IN
1) REVERSER HANDLE IN

OMB No.2130-0004

2. Owned by



#### SCAX853 Next PM Due By; 04/26/18 11:59 PM Bombardier Transportation

### Locomotive Inspection and Repair Record

SCAX Southern California Regional Rail Authority 2018 **AMTK** Amtrak Check if new loco. If renumbered, Prev. 4. Loco N 1992 F59PH 853 10. Max. Piston b. Working 9. Steam Gen. a. No. 6. Propelled by D - E Pressure N/A 8. Type of Service: Passenger Road Yard Other Travel 8 in N/A a. Date 12. Last Periodic Type of Air Brake 26LUL Aîr Dryer Yes ✓ No 11. Out of use Credit LOS ANGELES, CA 12/13/2017 Inspection 50 Days Date & cert: Date & cert: AFM CAL. Date & Cert: N/A N/A N/A N/A 184 days per 229.23(b)(1) only 92 days per 229.23(a) PERIODIC INSPECTIONS 17. Certified by 16. Person Conducting 13. Date: Mo/Day/Yr 16. Person Conducting 15. Items\* **OUT OF USE FROM** LOS ANGELES, CA TO 3-16-18 LOS ANGELES, CA 1-4 & 7 3-21-18 OUT OF USE FROM LOS ANGELES, CA TO LOS ANGELES, CA 1-4 & 7 **OUT OF USE FROM** LOS ANGELES, CA TO 5 LOS ANGELES, CA 1-4 & 7 LOS ANGELES, CA OUT OF USE FROM TO LOS ANGELES, CA 1-4 & 7 1. Brakes 2. Running Gear 3. Cab Equip 4. Mech Equip 5. Elect Equip 6. Steam Gen 7. Safety Appl \* 15. Item Code: 20. Waiver - Other 19. Waiver Part 229 TESTS 18. H&H Test Pressur DRILLED 24. Previous Test Date 22. Test Date & 21. Person Conducting Type Not more than: Place 05/15/2017 Event Recorder 229.25(d) or 229.27(c) 368 LOS ANGELES, CA LOS ANGELES, CA Annual Tests 229.27 05/15/2017 LOS ANGELES, CA LOS ANGELES, CA

See reverse for Paperwork Reduction Act Statement

In accordance with the Locomotive Inspection Act, 49 USC Chapter 207 and the regulations issued pursuant to that Act, the parts and appurtenances of the locomotive unit have been inspected and all defects disclosed by the inspection have been properly repaired.

LOS ANGELES, CA

LOS ANGELES, CA

LOS ANGELES, CA

LOS ANGELES, CA DRILLED

Certification of true copy: I certify that this Attention: A false	a true copy of the inspection and repair record of locomotive no. 853 ntry on this form is punishable by fine or imprisonment (18 USC Sec1001)
Officer-in-charge	_Date

Form FRA F6180-49A (12/14/2015)

Hand Brake 232.105(c)

Air Brakes: Level 1 229.29(c)(1)

Hammer and Hydro 229.31

Level 2 229.29(c)(2)

Level 3 229.29(c)(3)

1,472

1,472

736 days

Government property do not remove.

OMB Approval expires 10/21/2018

05/15/2017 LOS ANGELES, CA

05/15/2017

LOS ANGELES, CA 02/24/2014

LOS ANGELES, CA

02/24/2014

LOS ANGELES, CA

DRILLED

FAILURE

## MAINTENANCE ANALYSIS PROGRAM DIESEL ELECTRIC LOCOMOTIVES AND CAB CARS INTERMITTENT INDUCTIVE TRAIN STOP INSPECTION

- Indobas	DATE	TIME				
UNIT NO. LOCATION	1 0					
SCAX 853 LOS ANGELES CA CMF	3-21-18	1200pm				
SAX 83 > 10 > 17.	FOUND	LEFT				
14 should be 4½ + ½".	41/2	41/2				
<ol> <li>Receiver height should be 4½ ± ¼".</li> <li>Resistance B32/B31 to ground. (System de-energized). Should be</li> </ol>	00					
no less than 250,000 Ohms.  Resistance C32/C31 to ground. (System de-energized). Should be no less than 250,000 Ohms.	000	~				
4. Receiver resistance NA and A. Should be 12 to 21 Ohms.	17	1)				
5. Receiver resistance NS and A. Should be 27 to 41 Ohms.	35	35				
6. Receiver resistance NA and NS. Should be 37 to 56 Ohms.	48	48				
7. System voltage. Should be 30 to 32 volts.	32	32				
8. Acknowledge time. Hold ACK switch down and time start of air blow (MV open). Should be 6 to 8 seconds.	7 SEC.	> SEC.				
<ol> <li>Brake cylinder pressure after ATS reduction. Should be equal or greater than full service.</li> </ol>	62 LB.	62 LB.				
<ol> <li>Delay time from MV open (air blow) to ATS penalty (PCS open).</li> <li>Maximum allowed 8 seconds.</li> </ol>	Let SEC.	4 SEC.				
11. Condition of audible alarm and penalty indicators.	Good	Good				
12. Test ATS system by using the ATS portable tester.	12955	pass				
ATS CONTROL BOX DATE: 11-3-16						
ATS CONTROL BOX SERIAL NO.: O(1000)						
ATS MAGNET VALVE DATE: 11-3-16						

REMARKS

ATS CONTROL BOX SEAL NO: 0237733

SUPERVISOR