



7-21-10

8541

Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 8541 on this date 7-21-10 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

UNIT 8541DATE 2-21-10**Service Operations****THROTTLE 8 INBOUND LOAD TESTS**

Eng RPM (900)	EMD	<u>1055</u>	Lube Oil Pres	<u> </u>
Eng RPM (1050)	GE	<u> </u>	Water Temp	<u>191</u>
Horsepower		<u>3690</u>	Overspeed Setting	<u>1090</u>
Volts (5.3)	B-23	<u> </u>	RACK SETTING	<u> </u>
Volts (7)	C-30	<u> </u>		
Volts (720)	B-39	<u>700</u>		

THROTTLE #1 STALL TEST

OP Mode	(PWR)	<u>Notch 1</u>	
AMPS	(300)	<u>350</u>	
MGA	(1220)	<u>1350</u>	NOT APPLICABLE TO B-23 AND C-30
Charging Rate	(70v)	<u>74</u>	

TL 24T

Throttle 1	(1V)	<u>5</u>
Throttle 2		<u>11</u>
Throttle 3		<u>28</u>
Throttle 4		<u>32</u>
Throttle 5		<u>51</u>
Throttle 6		<u>60</u>
Throttle 7		<u>67</u>
Throttle 8	(72V)	<u>72</u>



REVISION:
 REVISION DATE: 06/22/2010
 ISSUED BY: T. A. Scalfia

B-23, B-39, C-30, GP-7 UNSCHEDULED

UNIT: 8541

In-Bound Or Running Electrical

ITEM

ELECTRICAL

WORKED BY:

ONLY INBOUND LOAD BOX A SWITCHER IF IT'S NECESSARY AND REPORTED WITH LOADING ISSUES. OTHERWISE THE LOAD BOX ON A SWITCHER WILL BE DONE ON THE OUTBOUND

REVIEW COMPUTER ARCHIVE DATA AND NOTE ON DEFECT SHEETS IF APPLICABLE

NOTE SIGNIFICANT FAULTS ON DEFECT SHEETS.

DOWNLOAD & TEST EVENT RECORDER SYSTEM,

TEST RADIO ANTENNA WITH MFJ-269 ANALYZER

CLOSELY INSPECT THE HEAD END DEVICE CONNECTOR. ENSURE IT IS TIGHTLY CONNECTED AND NOT CROSS THREADED

PERFORM ALL LOCOMOTIVE SELF TEST FUNCTIONS

B. CHECK FOR AC GROUNDS IN COOLING FAN CIRCUIT WITH TEST LIGHT (30 watt bulb) ONLY APPLIES TO GP-7.

CHECK OPERATION OF GROUND RELAY

(TEST THREE TIMES TO VERY LOCK-OUT)(DYNAMIC & POWER)

CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)

WHILE IN THROTTLE 3 LOAD TEST, CHECK FOR AC GROUNDS. DOES NOT APPLY TO C-30, B-23 AND B-39.

CHECK OPERATION OF:

A. HEATING

B. WINDSHIELD HEATERS/DEFOGGER (SEPTEMBER - FEBRUARY)

CHECK OPERATION OF ALERTNESS DEVICES

CHECK OPERATION OF ALL EMERGENCY FUEL SHUTOFF DEVICES

A. EMERGENCY FUEL CUTOFFS

B. MU ENGINE STOP

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B-23, B-39, C-30, GP-7 UNSCHEDULED

UNIT:

ITEM	<i>In-Bound Or Running Mechanical</i> MECHANICAL	WORKED BY:
	INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):	
	PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.	
	INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS	
	INSPECT COOLING SYSTEM:	
	A: CHECK HOSES AND PIPES FOR LEAKS	
	VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS	
	TEST AIR BRAKE EQUIPMENT PER RULE 212	
	PERFORM PENALTY BRAKE TEST	
	CHECK FLUID LEVELS BEFORE LOADING:	
	A: ENGINE OIL	
	B: COOLING WATER	
	C: AIR COMPRESSOR OIL	
	TEST OPERATION OF THE FOLLOWING DEVICES:	
	A. BELL	<i>Kim Hussey</i>
	B. SANDERS (FORWARD, REVERSE, EMERGENCY)	
	C. RADIATOR SHUTTERS	
	INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI	
	INSPECT SAFETY POP. 155 PSI	



English

B-23, B-39, C-30, GP-7 UNSCHEDULED

UNIT: 8541

Out-Bound Loadtest Electrical/Mechanical

WORKED

BY:

ITEM

MECHANICAL

- INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):
- PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.
- INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS
- INSPECT COOLING SYSTEM:
- A: CHECK HOSES AND PIPES FOR LEAKS
- VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS
- TEST AIR BRAKE EQUIPMENT PER RULE 212
- PERFORM PENALTY BRAKE TEST
- CHECK FLUID LEVELS BEFORE LOADING:

- A: ENGINE OIL
- B: COOLING WATER
- C: AIR COMPRESSOR OIL
- INSPECT SAND TRAP, NOZZLES, HOSES AND BRACKETS
- TEST OPERATION OF THE FOLLOWING DEVICES:
- A. BELL
- B. SANDERS (FORWARD, REVERSE, EMERGENCY)
- C. RADIATOR SHUTTERS

*ok, looking
looking
looking*

looking

ELECTRICAL

- CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)
- IF A TRACTION MOTOR WAS REPALCED, ROLL TEST THE LOCOMOTIVE TO ENSURE THE TM LEADS ARE PROPERLY HOOKED UP
- WHILE IN THROTTLE 3 LOAD TEST, CHECK FOR AC GROUNDS. DOES NOT APPLY TO C-30, B-23 AND B-39.
- CHECK OPERTION OF:
- A. HEATING
- COMPLETE THE LOAD TEST SHEETS
- INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI
- INSPECT SAFETY POP. 155 PSI

looking



Service Operations

THROTTLE 8 OUTBOUND LOAD TESTS

UNIT _____
DATE _____

Eng RPM (900)	EMD	_____	Lube Oil Pres	_____
Eng RPM (1050)	GE	_____	Water Temp	_____
Horsepower		_____	Overspeed Setting	_____
Volts (5.3)	B-23	_____	RACK SETTING	_____
Volts (7)	C-30	_____		
Volts (720)	B-39	_____		

SAME AS

THROTTLE #1 STALL TEST

NOT APPLICABLE TO B-23 AND C-30

Inbound

OP Mode	(PWR)	_____
AMPS	(300)	_____
MGA	(1220)	_____
Charging Rate	(70%)	_____

TL 24T

Throttle 1	(1V)	_____
Throttle 2		_____
Throttle 3		_____
Throttle 4		_____
Throttle 5		_____
Throttle 6		_____
Throttle 7		_____
Throttle 8	(72V)	_____

Unit: _____ Date: _____

DEFECTS FOUND DURING INSPECTION

DEFECT _____ _____ _____	INSPECTED BY: _____ _____
REPAIR _____ _____ _____	CORRECTED BY: _____ _____

DEFECT _____ _____ _____	INSPECTED BY: _____ _____
REPAIR _____ _____ _____	CORRECTED BY: _____ _____

DEFECT _____ _____ _____	INSPECTED BY: _____ _____
REPAIR _____ _____ _____	CORRECTED BY: _____ _____

DEFECT _____ _____ _____	INSPECTED BY: _____ _____
REPAIR _____ _____ _____	CORRECTED BY: _____ _____

DEFECT _____ _____ _____	INSPECTED BY: _____ _____
REPAIR _____ _____ _____	CORRECTED BY: _____ _____

Unit: _____

Date: _____

DEFECTS FOUND DURING INSPECTION

DEFECT _____ _____ _____	INSPECTED BY: _____ _____
REPAIR _____ _____ _____	CORRECTED BY: _____ _____

DEFECT _____ _____ _____	INSPECTED BY: _____ _____
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DEFECT _____ _____ _____	INSPECTED BY: _____ _____
REPAIR _____ _____ _____	CORRECTED BY: _____ _____

DEFECT _____ _____ _____	INSPECTED BY: _____ _____
REPAIR _____ _____ _____	CORRECTED BY: _____ _____

DEFECT _____ _____ _____	INSPECTED BY: _____ _____
REPAIR _____ _____ _____	CORRECTED BY: _____ _____

Description of Work Performed

Locomotive ID 8571 Time Started 9:15 am Time Finished _____

Trouble shoot speeds not working, found internal wire on axle drive broken - Repaired wire & Secured

