



Locomotive Release from Shop Form
To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 8553 on this
date 7-9-10 and take no exception to applicable laws, rules and or MMA
standards, policies and standards.



Service Operations

THROTTLE 8 INBOUND 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	_____		

THROTTLE #1 STALL TEST

OP Mode	(PWR)	_____	
AMPS	(300)	_____	
MGA	(1220)	_____	NOT APPLICABLE TO B-23 AND C-30
Charging Rate	(70v)	_____	

TL 24T

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

*Could not load -
wheel slip issues*



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

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

UNIT:

ITEM	<i>In-Bound Or Running Electrical</i> 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	



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	
	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: 8553

Out-Bound Loadtest Electrical/Mechanical

WORKED

ITEM		BY:
	MECHANICAL	
✓	INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):	J. Martin
✓	PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.	J. Martin
✓	INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS	J. Martin
✓	INSPECT COOLING SYSTEM:	J. Martin
✓	A. CHECK HOSES AND PIPES FOR LEAKS	J. Martin
✓	VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS	J. Martin
✓	TEST AIR BRAKE EQUIPMENT PER RULE 212	J. Martin
✓	PERFORM PENALTY BRAKE TEST	J. Martin
	CHECK FLUID LEVELS BEFORE LOADING:	
✓	A: ENGINE OIL	J. Martin
✓	B: COOLING WATER	J. Martin
✓	C: AIR COMPRESSOR OIL	J. Martin
✓	INSPECT SAND TRAP, NOZZLES, HOSES AND BRACKETS	J. Martin
	TEST OPERATION OF THE FOLLOWING DEVICES:	
✓	A. BELL	J. Martin
✓	B. SANDERS (FORWARD, REVERSE, EMERGENCY)	J. Martin
	C. RADIATOR SHUTTERS	
	ELECTRICAL	
✓	CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)	J. Martin
	IF A TRACTION MOTOR WAS REPLACED, 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 OPERATION OF:	
✓	A. HEATING	J. Martin
✓	COMPLETE THE LOAD TEST SHEETS	J. Martin
✓	INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI	J. Martin
✓	INSPECT SAFETY POP. 155 PSI	J. Martin



UNIT 8553

Service Operations

DATE 7-9-10

THROTTLE 8 OUTBOUND LOAD TESTS

Eng RPM (900)	EMD	<u> </u>	Lube Oil Pres	<u>110</u>
Eng RPM (1050)	GE	<u>1050</u>	Water Temp	<u>160</u>
Horsepower		<u>3500</u>	Overspeed Setting	<u>1050</u>
Volts (5.3)	B-23	<u> </u>	RACK SETTING	<u>23 1/2</u>
Volts (7)	C-30	<u> </u>	<i>Amb. Air Temp 90°</i>	
Volts (720)	B-39	<u>6.80</u>		

THROTTLE #1 STALL TEST

OP Mode	(PWR)	<u>Not 17</u>	
AMPS	(300)	<u>300</u>	
MGA	(1220)	<u>1220</u>	NOT APPLICABLE TO B-23 AND C-30
Charging Rate	(70v)	<u>72V</u>	

TL 24T

Throttle 1	(1V)	<u>5.8 5.3</u>
Throttle 2		<u>17.</u>
Throttle 3		<u>28</u>
Throttle 4		<u>40</u>
Throttle 5		<u>48</u>
Throttle 6		<u>61</u>
Throttle 7		<u>67</u>
Throttle 8	(72V)	<u>71</u>

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: _____
REPAIR _____ _____ _____	CORRECTED BY: _____

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

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

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

Description of Work Performed

Locomotive ID

8553

Time Started

10:45

Time Finished

Continuous wheel slip, show locked axle
wheel lunge can't stop alarms only
had 600 amps

Tested with DID Panel, TMS showing no speed.
Removed and tested speed sensor, tested B/O - open circuit.
Installed new speed sensor and retested - OK

