

UN

Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 0553 on this date 12-20-10 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)	_____	



In-Bound Loadtest Electrical/Mechanical

WORKED BY:

ELECTRICAL

VERIFY THE OPERATION OF THE GROUND RELAY  
CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)  
WHILE IN THROTTLE 3 LOAD TEST, CHECK FOR AC GROUNDS  
CHECK OPERATION OF:

A. HEATING

COMPLETE THE IN-BOUND LOAD TEST SHEETS  
GROUND RELAY-(TEST THREE TIMES TO VERY LOCK-OUT)(DYNAMIC & POWER)  
CHECK THE FOLLOWING FOR PROPER OPERATION:

- A. CREW ALERT
- B. RADIO AND ANTENNA
- C. AXLE ALT. SPEEDO
- D. MU ENGINE SHUTDOWN
- E. FUEL CUT-OFF
- F. TEST WARNING DEVICES

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MECHANICAL

CLEAN AND SERVICE TOILET AND RESTROOM  
DRAIN RETENTION TANK  
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

CHECK OPERATION OF ENGINE PROTECTION DEVICES:

A. CRANKCASE PRESSURE

VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS  
PERFORM MANUAL AIR BRAKE TEST

Verify Flow Gauge  
130 main reservoir is 64 + or - 3,  
reservoir is 60 + 0

NOTE: 120-  
130-140 main

PERFORM PENALTY BRAKE TEST

CHECK FOR CORRECT AIR PRESSURE SETTINGS:

- A. MAIN RESERVOIR (130 - 140 PSI)
- B. BRAKE PIPE (90 PSI)
- C. EQUALIZING RESERVOIR (90 PSI)
- D. BRAKE CYLINDER (72 - 74 PSI)
- E. COMPRESSOR CONTROL (130 - 140 PSI +/-5 PSI)

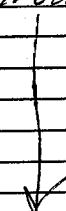
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CHECK FLUID LEVELS BEFORE LOADING:

- 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



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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)	_____	

Unit: 8553

Date: 12-20-10

**DEFECTS FOUND DURING INSPECTION**

DEFECT <u>Automatic blowing off steady</u>	INSPECTED BY: <u>[Signature]</u>
REPAIR <u>Replaced Automatic, helped - still losing BC when cut out Automatic - replaced all portions for bot to AI-charging - Fixed problem</u>	CORRECTED BY: <u>[Signature]</u>

DEFECT <u>4 worn out B-shoes EXC. piston travel</u>	INSPECTED BY: <u>[Signature]</u>
REPAIR <u>Replaced 4 shoes Fixed piston travel</u>	CORRECTED BY: <u>[Signature]</u>

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

0800

Time Finished

1145

8553 come in to Derby with Automatic portion problems  
Replaced Auto portion - helped some - ~~replaced~~ went down  
through Troubleshooting handbook and replaced all portions until  
changed A1 charging until Fixed problem

Did a daily inspection and put out for job (southbound)

# Description of Work Performed

Locomotive ID

Time Started

Time Finished


Employee Signature \_\_\_\_\_ Form to fill out completely and Signature must be legible.



UNIT#	DATE	DESCRIPTION	PART #	QUANTITY	INSTALLED	AWP
	12-20-10	J-1.6-16 portion	561001	1	8553	
	12-20-10	P2A portion	561925	1	8553	
	12-20-10	Quick release portion	558444	1	8553	
	12-20-10	Service portion	567141	1	8553	
	12-20-10	Automatic portion	562073	1	8553	
	12-20-10	A1 charging	?	1	8553	
	12-20-10	4 Brake shoes (1330		4	8553	