



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

I have reviewed the work packet for locomotive 100 on this
date 7-7-10 and take no exception to applicable laws, rules and or MMA
standards, policies and standards.

Normand Chabot



Service Operations

UNIT _____

DATE _____

THROTTLE 8 INBOUND LOAD TESTS

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

TL 24T

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

No load



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>	WORKED BY:
	ELECTRICAL	
	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	

No load



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: 100

Out-Bound Loadtest Electrical/Mechanical

WORKED

ITEM

MECHANICAL

BY:

INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):
PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.
INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS

OK BW
OK BW
OK BW

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

OK BW
OK BW
Brakes OK

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
OK
OK
OK
OK
OK
OK } BW

ELECTRICAL

CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)
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
COMPLETE THE LOAD TEST SHEETS

INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI
INSPECT SAFETY POP. 155 PSI

OK BW
OK BW



Service Operations

UNIT _____

DATE _____

THROTTLE 8 OUTBOUND LOAD TESTS

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

TL 24T

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

Cannot load
test the #100,
no dynamic
brakes dude.

Unit:

100

Date:

7/13/18

DEFECTS FOUND DURING INSPECTION

DEFECT	Bad magnet valve on Park. Contactors	INSPECTED BY:	BW
REPAIR	Changed out	CORRECTED BY:	BW

DEFECT	Air leak in control stand	INSPECTED BY:	BW
REPAIR	Fixed	CORRECTED BY:	BW

DEFECT	Many long pistons	INSPECTED BY:	BW
REPAIR	adjusted	CORRECTED BY:	BW

DEFECT	New valves in air comp. head. Air was leaking by.	INSPECTED BY:	BW
REPAIR	New installed	CORRECTED BY:	BW

DEFECT	2 bad brake shoes	INSPECTED BY:	BW
REPAIR	installed	CORRECTED BY:	BW

Unit: _____

Date: _____

DEFECTS FOUND DURING INSPECTION

DEFECT <u>All top inspection covers</u> <u>were off</u>	INSPECTED BY: <u>BW</u>
REPAIR <u>Put back on</u>	CORRECTED BY: <u>BW</u>

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 100 Time Started 12:00 pm Time Finished 3:00 pm

won't load, wheel slip light on
open motor

- Found bad Pwr. contactor magnet valve coil, and replaced it
- Fixed 2 air leaks in control stand & fixed them.
- Found air leaking by HP discharge & suction valves in air compressor. Installed new ones.
- Adjusted all long brake cylinders (4).
- Change 2 brake shoes.
- Dailyed

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
100						
	7/13					
	7/13	used magnet valve coil	-	1	yes	yes
	7/13	steel brake shoes	-	2	yes	yes
	7/13	H.P. discharge valve	-	1	yes	yes
	7/13	H.P. suction valve	-	1	yes	yes
	7/13	New head cap (discharge)	-	1	yes	yes