



Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 5026 on this date 7-27-10 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

NO LOAD

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)	_____	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

In-Bound Or Running Electrical

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 VERIFY 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: 3026

<i>In-Bound Or Running Mechanical</i>		WORKED
ITEM	MECHANICAL	BY:
	INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):	BW
	PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.	BW
	INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS	BW
	INSPECT COOLING SYSTEM:	BW
	A: CHECK HOSES AND PIPES FOR LEAKS	BW
	VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS	BW
	TEST AIR BRAKE EQUIPMENT PER RULE 212	BW
	PERFORM PENALTY BRAKE TEST	BW
	CHECK FLUID LEVELS BEFORE LOADING:	BW
	A: ENGINE OIL <i>OK</i>	BW
	B: COOLING WATER <i>Added 20 gals</i>	BW
	C: AIR COMPRESSOR OIL <i>OK</i>	BW
	TEST OPERATION OF THE FOLLOWING DEVICES:	BW
	A. BELL	BW
	B. SANDERS (FORWARD, REVERSE, EMERGENCY)	BW
	C. RADIATOR SHUTTERS	BW
	INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI	BW
	INSPECT SAFETY POP. 155 PSI	OK

English

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

UNIT:

5026

Out-Bound Loadtest Electrical/Mechanical

WORKED

ITEM

MECHANICAL

BY: B. Wiles

INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):

OK

PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.

OK

INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS

OK

INSPECT COOLING SYSTEM:

OK

A: CHECK HOSES AND PIPES FOR LEAKS

OK

VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS.

OK

TEST AIR BRAKE EQUIPMENT PER RULE 212

adjusted 4 pistons

OK

PERFORM PENALTY BRAKE TEST

OK

CHECK FLUID LEVELS BEFORE LOADING:

OK

A: ENGINE OIL

OK

B: COOLING WATER

Added 20 gals

OK

C: AIR COMPRESSOR OIL

OK

INSPECT SAND TRAP, NOZZLES, HOSES AND BRACKETS

OK

TEST OPERATION OF THE FOLLOWING DEVICES:

OK

A. BELL

OK

B. SANDERS (FORWARD, REVERSE, EMERGENCY)

OK

C. RADIATOR SHUTTERS

OK

ELECTRICAL

CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)

OK

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.

OK

CHECK OPERATION OF:

A. HEATING

OK

COMPLETE THE LOAD TEST SHEETS

OK

INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI

OK

INSPECT SAFETY POP. 155 PSI

OK

UNIT 5026
 DATE 7/28/10

Service Operations

THROTTLE 8 OUTBOUND LOAD TESTS

Eng RPM (900)	EMD	<u> </u>	Lube Oil Pres	<u>45</u>
Eng RPM (1050)	GE	<u>1050</u>	Water Temp	<u>180</u>
Horsepower		<u>2914</u>	Overspeed Setting	<u>1050</u>
Volts (5.3)	B-23	<u> </u>	RACK SETTING	<u> </u>
Volts (7)	C-30	<u>6.88</u>		
Volts (720)	B-39	<u> </u>		

THROTTLE #1 STALL TEST

OP Mode	(PWR)	<u> </u>	
AMPS	(300)	<u>240 A.</u>	
MGA	(1220)	<u> </u>	NOT APPLICABLE TO B-23 AND C-30
Charging Rate	(70v)	<u>72 v</u>	

TL 24T

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

Unit:

5026

Date:

7/28/10

DEFECTS FOUND DURING INSPECTION

DEFECT	Not loading	INSPECTED BY:	BW
REPAIR	found bad wire on reverser controller & fixed it.	CORRECTED BY:	BW

DEFECT	low water	INSPECTED BY:	BW
REPAIR	added water	CORRECTED BY:	BW

DEFECT	4 short of applying fully brake pistons.	INSPECTED BY:	BW
REPAIR	adjusted	CORRECTED BY:	BW

DEFECT	broken wires on rear step lights	INSPECTED BY:	BW
REPAIR	fixed	CORRECTED BY:	BW

DEFECT	low sand (front)	INSPECTED BY:	BW
REPAIR	sand	CORRECTED BY:	BW

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

5026

Time Started

7:00

Time Finished

11:30

① Fixed all defects: Not loading
Short brakes (2.5 hrs)
low water

② ~~Completed stupid packet~~

~~11.5 hrs~~

③ Dailzed

(1/2 hour)

④ fixed broken wires on rear step
lights (2 hrs)

