

UN

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 12-11-10 and take no exception to applicable laws, rules and or MMA
standards, policies and standards.



Service Operations

UNIT _____

DATE _____

THROTTLE # 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	_____		

D/D

THROTTLE #1 STALL TEST

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

$$\begin{array}{r} 474 \\ 6.0 \\ \hline 2544 \\ 2544 \\ \hline 2798.4 \end{array}$$

$$\begin{array}{r} 3292 \\ 2544 \\ \hline 28732 \end{array}$$

$$\begin{array}{r} 424 \\ 66.49 \\ \hline \end{array}$$

$$\begin{array}{r} 2404 \\ 2544 \\ \hline \end{array}$$

$$\begin{array}{r} 28044 \\ 214 \\ \hline 28254 \end{array}$$

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

<i>In-Bound Loadtest Electrical/Mechanical</i>		WORKED BY:
ELECTRICAL		J. Hart J. Hart
VERIFY THE OPERATION OF THE GROUND RELAY		J. Hart
CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)		J. Hart
WHILE IN THROTTLE 3 LOAD TEST, CHECK FOR AC GROUNDS		
CHECK OPERATION OF:		
A. HEATING		J. Hart
COMPLETE THE IN-BOUND LOAD TEST SHEETS		J. Hart
GROUND RELAY-(TEST THREE TIMES TO VERY LOCK-OUT)(DYNAMIC & POWER)		J. Hart
CHECK THE FOLLOWING FOR PROPER OPERATION:		
A. CREW ALERT		J. Hart
B. RADIO AND ANTENNA		J. Hart
C. AXLE ALT. SPEEDO		J. Hart
D. MU ENGINE SHUTDOWN		J. Hart
E. FUEL CUT-OFF		J. Hart
F. TEST WARNING DEVICES		J. Hart
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		D. Black
INSPECT COOLING SYSTEM:		D. Black
A: CHECK HOSES AND PIPES FOR LEAKS		D. Black
CHECK OPERATION OF ENGINE PROTECTION DEVICES:		D. Black
A. CRANKCASE PRESSURE		D. Black
VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS		D. Black
PERFORM MANUAL AIR BRAKE TEST		
Verify Flow Gauge	NOTE: 120-	
130 main reservoir is 64 + or - 3,	130-140 main	
reservoir is 60 + o		
PERFORM PENALTY BRAKE TEST		
CHECK FOR CORRECT AIR PRESSURE SETTINGS:		D. Black
A. MAIN RESERVOIR (130 - 140 PSI)		D. Black
B. BRAKE PIPE (90 PSI)		D. Black
C. EQUALIZING RESERVOIR (90 PSI)		D. Black
D. BRAKE CYLINDER (72 - 74 PSI)		D. Black
E. COMPRESSOR CONTROL (130 - 140 PSI +/-5 PSI)		D. Black
CHECK FLUID LEVELS BEFORE LOADING:		
A: ENGINE OIL		J. Hart
B: COOLING WATER		D. Black
C: AIR COMPRESSOR OIL		D. Black
TEST OPERATION OF THE FOLLOWING DEVICES:		J. Hart
A. BELL		D. Black
B. SANDERS (FORWARD, REVERSE, EMERGENCY)		D. Black
C. RADIATOR SHUTTERS		J. Hart

Service Operations *OT Barns*

THROTTLE #1 ~~WIND~~ LOAD TESTS

UNIT _____

DATE _____

Eng RPM (900)	EMD	<u> </u>	Lube Oil Pres	<u>80</u>
Eng RPM (1050)	GE	<u> </u>	Water Temp	<u>170</u>
Horsepower		<u>2885</u>	Overspeed Setting	<u> </u>
Volts (5.3)	B-23	<u> </u>	RACK SETTING	<u>19.5</u>
Volts (7)	C-30	<u>6.8</u>		
Volts (720)	B-39	<u> </u>		

THROTTLE #1 STALL TEST

OP Mode	(PWR)	<u>300</u>	NOT APPLICABLE TO B-23 AND C-30
AMPS	(300)	<u>300</u>	
MGA	(1220)	<u> </u>	
Charging Rate	(70v)	<u>73.9</u>	

Unit: 5026

Date: 12-15-10

DEFECTS FOUND DURING INSPECTION

DEFECT <u>Exciter Motor Bad - Brush holder Fell apart</u> <u>chewed up commutator</u>	INSPECTED BY: <u>J. Hartm</u>
REPAIR <u>Replaced Exciter motor</u>	CORRECTED BY: <u>J-H TPG</u>

DEFECT <u>COME IN WITH Ground Relay problem</u>	INSPECTED BY: <u>DM</u>
REPAIR <u># 2 TM Grounded</u> <u>Replaced motor</u>	CORRECTED BY: <u>JH</u>

DEFECT <u>All brake shoes worn out</u>	INSPECTED BY: <u>DM</u>
REPAIR <u>replaced</u>	CORRECTED BY: <u>McCurdy</u>

DEFECT <u># Bellow boot plate slid out</u>	INSPECTED BY: <u>DM</u>
REPAIR <u>replaced</u>	CORRECTED BY: <u>McCurdy</u>

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 _____ Time Started _____ Time Finished _____

Description of Work Performed

Locomotive ID

Time Started

Time Finished

Employee Signature _____ **Form to fill out completely and Signature must be legible.**

