



Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 5023 on this date 8-4-10 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

Shut down causing fire along track

UNIT _____

DATE _____

Service Operations

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)	_____	
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)	_____

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

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

UNIT:

ITEM	<p style="text-align: center;"><i>In-Bound Or Running Electrical</i></p> <p style="text-align: center;">ELECTRICAL</p>	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:

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

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

INSPECT SAND TRAP, NOZZLES, HOSES AND BRACKETS

TEST OPERATION OF THE FOLLOWING DEVICES:

A. BELL

B. SANDERS (FORWARD, REVERSE, EMERGENCY)

C. RADIATOR SHUTTERS

ELECTRICAL

CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)

IF A TRACTION MOTOR WAS REPALCED, 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 OPERTION OF:

A. HEATING

COMPLETE THE LOAD TEST SHEETS

INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI

INSPECT SAFETY POP. 155 PSI

J. Hart
S. HartJ. Hart
J. Hart
J. HartJ. Hart
J. Hart
J. Hart
J. HartJ. Hart
J. Hart

J. Hart

J. Hart
J. Hart
J. Hart
J. Hart

Service Operations

UNIT _____

DATE _____

THROTTLE 8 OUTBOUND LOAD TESTS

Eng RPM (900)	EMD	<u> </u>	Lube Oil Pres	<u>80</u>
Eng RPM (1050)	GE	<u>1045</u>	Water Temp	<u>150</u>
Horsepower		<u>3052</u>	Overspeed Setting	<u>1060</u>
Volts (5.3)	B-23	<u> </u>	RACK SETTING	<u>19.5</u>
Volts (7)	C-30	<u>7.2</u>		
Volts (720)	B-39	<u> </u>		

THROTTLE #1 STALL TEST

OP Mode	(PWR)	<u>Notch 2</u>	
AMPS	(300)	<u>300</u>	
MGA	(1220)	<u> </u>	NOT APPLICABLE TO B-23 AND C-30
Charging Rate	(70v)	<u>74.5</u>	

TL 24T

Throttle 1	(1V)	<u>4.2</u>
Throttle 2		<u>18.7</u>
Throttle 3		<u>27.3</u>
Throttle 4		<u>40.3</u>
Throttle 5		<u>51.9</u>
Throttle 6		<u>59.1</u>
Throttle 7		<u>64.4</u>
Throttle 8	(72V)	<u>71.0</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 5023 Time Started 12:00 Time Finished 14:30

Dië Single man brackets, mod.
checked and cleaned stack and crankcase vent.

Description of Work Performed

Locomotive ID

Time Started

Time Finished

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

