



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

I have reviewed the work packet for locomotive 5078 on this
date 7-23-10 and take no exception to applicable laws, rules and or MMA
standards, policies and standards.



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)	_____	

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

See #105



English

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

UNIT:

~~5078~~ 5078

Out-Bound Loadtest Electrical/Mechanical

WORKED

ITEM

BY:

MECHANICAL

INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):
PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.

Kim Hussey
Kim Hussey

INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS

Kim Hussey

INSPECT COOLING SYSTEM:

A: CHECK HOSES AND PIPES FOR LEAKS

Kim Hussey

VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS

Kim Hussey
Kim Hussey

TEST AIR BRAKE EQUIPMENT PER RULE 212

PERFORM PENALTY BRAKE TEST

CHECK FLUID LEVELS BEFORE LOADING:

A: ENGINE OIL

Kim Hussey

B: COOLING WATER

Kim Hussey

C: AIR COMPRESSOR OIL

Kim Hussey
Kim Hussey

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)

Dave S / Kim Hussey

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

Kim Hussey

COMPLETE THE LOAD TEST SHEETS

Kim Hussey

INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI

Kim Hussey

INSPECT SAFETY POP. 155 PSI

Kim Hussey



Service Operations

THROTTLE 8 OUTBOUND LOAD TESTS

UNIT _____

DATE _____

Eng RPM (900)	EMD	<u> </u>	Lube Oil Pres	<u>80</u>
Eng RPM (1050)	GE	<u>1050</u>	Water Temp	<u>165</u>
Horsepower		<u>2925</u>	Overspeed Setting	<u>1060</u>
Volts (5.3)	B-23	<u> </u>	RACK SETTING	<u>195</u>
Volts (7)	C-30	<u>6.9</u>		
Volts (720)	B-39	<u> </u>		

THROTTLE #1 STALL TEST

OP Mode	(PWR)	<u>Not on 2</u>	
AMPS	(300)	<u>275</u>	
MGA	(1220)	<u> </u>	NOT APPLICABLE TO B-23 AND C-30
Charging Rate	(70v)	<u>73.9</u>	

TL 24T

Throttle 1	(1V)	<u>5.4</u>
Throttle 2		<u>16</u>
Throttle 3		<u>29</u>
Throttle 4		<u>46.8</u>
Throttle 5		<u>52.4</u>
Throttle 6		<u>62.2</u>
Throttle 7		<u>67</u>
Throttle 8	(72V)	<u>71.1</u>

Unit:

076

Date:

7-23-10

DEFECTS FOUND DURING INSPECTION

DEFECT	Engine Oil Low 5" Low	INSPECTED BY:	JRS
REPAIR	ADDED Engine oil	CORRECTED BY:	Jim Hartman

DEFECT	Cab seat safety clips Missing	INSPECTED BY:	JRS
REPAIR	Installed clips	CORRECTED BY:	JRS

DEFECT	#6 Right cyl would not pop -	INSPECTED BY:	Ki Hama Dave S.
REPAIR	Change Inj pump & Inj regulated	CORRECTED BY:	Ki Hama, Jim Hartman

DEFECT	Front & REAR STAND BOX E-	INSPECTED BY:	Ki Hama
REPAIR	filled up with sand	CORRECTED BY:	Jim Hartman Ki Hama

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

5078

Time Started

Time Finished

6 cyl Right - would not pop -
Put Engine #6 cyl piston on Top Dead
center - Took off old pump & inj - Put
new pump in & inj. ADJUSTED for
Jim Hatten

