



NS

Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 5017 on this date 10-1-10 and take no exception to applicable laws, rules and or MMA standards, policies and standards.



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)	_____

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> ELECTRICAL	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:

<i>In-Bound Or Running Mechanical</i>		WORKED BY:
ITEM	MECHANICAL	
<input checked="" type="checkbox"/>	INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):	D. Black
<input checked="" type="checkbox"/>	PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.	B. Cleary - D. Black
<input checked="" type="checkbox"/>	INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS	D. Black
	INSPECT COOLING SYSTEM:	Added water 2-3"
	A: CHECK HOSES AND PIPES FOR LEAKS	B.C. - D.B.
	VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS	Bell Clean
	TEST AIR BRAKE EQUIPMENT PER RULE 212	
	PERFORM PENALTY BRAKE TEST	D. Black - B. Cleary
	CHECK FLUID LEVELS BEFORE LOADING:	
	A: ENGINE OIL	checked 8" oil
	B: COOLING WATER	5" water added
	C: AIR COMPRESSOR OIL	B. Cleary
	TEST OPERATION OF THE FOLLOWING DEVICES:	
	A. BELL	D. Black
	B. SANDERS (FORWARD, REVERSE, EMERGENCY)	
	C. RADIATOR SHUTTERS	
	INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI	D. Black
	INSPECT SAFETY POP. 155 PSI	D. Black



English

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

UNIT:

Out-Bound Loadtest Electrical/Mechanical

WORKED

BY:

ITEM

MECHANICAL

- 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 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

J. Harte

J. Harte

J. Harte

J. Harte

J. Harte

J. Harte



Service Operations

THROTTLE 8 OUTBOUND LOAD TESTS

UNIT _____

DATE _____

Eng RPM (900)	EMD	<u> </u>	Lube Oil Pres	<u>60</u>
Eng RPM (1050)	GE	<u>1050</u>	Water Temp	<u>180</u>
Horsepower		<u>2840</u>	Overspeed Setting	<u>1090</u>
Volts (5.3)	B-23	<u> </u>	RACK SETTING	<u>19.5</u>
Volts (7)	C-30	<u>6.7</u>		
Volts (720)	B-39	<u> </u>		

THROTTLE #1 STALL TEST

OP Mode	(PWR)	<u>Notch 1 F</u>	
AMPS	(300)	<u>250</u>	
MGA	(1220)	<u> </u>	NOT APPLICABLE TO B-23 AND C-30
Charging Rate	(70v)	<u>74</u>	

TL 24T

Throttle 1	(1V)	<u>5.6</u>
Throttle 2		<u>12.4</u>
Throttle 3		<u>24.4</u>
Throttle 4		<u>36.9</u>
Throttle 5		<u>45.1</u>
Throttle 6		<u>58.8</u>
Throttle 7		<u>64.5</u>
Throttle 8	(72V)	<u>71.1</u>

Unit: 5017

Date: 10-1-10

DEFECTS FOUND DURING INSPECTION

DEFECT <u>#5, My Bad pinion</u>	INSPECTED BY: <u>D. Black</u>
REPAIR <u>replace new motor AC turned axles G-S brass nut</u>	CORRECTED BY: <u>B. Chay - D. Black</u>

DEFECT <u>#2 TM gear case bad bolt</u>	INSPECTED BY: <u>D.B. - B.C.</u>
REPAIR <u>replace case bolt</u>	CORRECTED BY: <u>Dave Black</u>

DEFECT <u>Bad brake shoes</u>	INSPECTED BY: <u>B. Chay</u>
REPAIR <u>changed six brake shoes</u>	CORRECTED BY: <u>B. Chay</u>

DEFECT <u>low oil & low added water low 5"</u>	INSPECTED BY: <u>B.C. - D.B.</u>
REPAIR <u>added 5" low added 5" water</u>	CORRECTED BY: <u>B.C. D.B.</u>

DEFECT _____	INSPECTED BY: _____
REPAIR _____	CORRECTED BY: _____

Description of Work Performed

Locomotive ID 5077 Time Started 9-30-10 ^{7:00} Time Finished 10-1-10 ^{14:08}

replaced #5 T.M. A.C. turned axle ~~to~~ 6-8 Built new
new gear cases, wicks, wick boxes full of oil. 6800 case oil
#2 gear case bad bolt replaced
replaced 6 brake shoe changed
5" of water added
8" eng. oil added
L-4 wick box broke - repaired M. Coily

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