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Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 5016 on this date 10.15.10 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

6.8V



Service Operations

THROTTLE 8 INBOUND LOAD TESTS

UNIT _____

DATE _____

Eng RPM (900)	EMD	<u> </u>	Lube Oil Pres	<u>45 psi</u>
Eng RPM (1050)	GE	<u>1050</u>	Water Temp	<u>180</u>
Horsepower		<u>6.8V</u>	Overspeed Setting	<u>OK</u>
Volts (5.3)	B-23	<u> </u>	RACK SETTING	<u>OK</u>
Volts (7)	C-30	<u>6.8V</u>		
Volts (720)	B-39	<u> </u>		

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)	<u> </u>
Throttle 2		<u> </u>
Throttle 3		<u> </u>
Throttle 4		<u> </u>
Throttle 5		<u> </u>
Throttle 6		<u> </u>
Throttle 7		<u> </u>
Throttle 8	(72V)	<u> </u>



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>	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 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	

NOT RUNNING



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

UNIT:

In-Bound Or Running Mechanical

ITEM	MECHANICAL	WORKED BY:
	INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):	<i>DAS</i>
	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	

NOT RUNNING

English

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

UNIT:

Out-Bound Loadtest Electrical/Mechanical

WORKED

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

BY: *DLS / JA*



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

~~BY: DLS / JA~~

N/A

N/A

DLS / JA

DLS / JA

DLS / JA

DLS / JA



Service Operations

UNIT _____

DATE _____

THROTTLE 8 OUTBOUND LOAD TESTS

Eng RPM (900)	EMD	<u> </u>	Lube Oil Pres	<u>WSPST</u>
Eng RPM (1050)	GE	<u>1050</u>	Water Temp	<u>180</u>
Horsepower		<u> </u>	Overspeed Setting	<u>OK</u>
Volts (5.3)	B-23	<u> </u>	RACK SETTING	<u>OK</u>
Volts (7)	C-30	<u>6.8V</u>		
Volts (720)	B-39	<u> </u>		

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)	<u>1.9</u>
Throttle 2		<u>6.25</u>
Throttle 3		<u>21.13</u>
Throttle 4		<u>39.8</u>
Throttle 5		<u>53</u>
Throttle 6		<u>57.7</u>
Throttle 7		<u>69.8</u> 66
Throttle 8	(72V)	<u>69.7</u>

Unit: _____

Date: _____

DEFECTS FOUND DURING INSPECTION

DEFECT	#3 L PA Pump, head bolts, fuel line Broken, broke exhaust	INSPECTED BY:	DRS/JA
REPAIR	insp. cyl, liner, hoses, piston, rings cp F. pump, inj., 2 new head bolts, new exhaust	CORRECTED BY:	DRS/JA

DEFECT	Broken exhaust manifold #4 R cyl	INSPECTED BY:	DRS/JA
REPAIR	c/o segment + new gaskets	CORRECTED BY:	DRS/JA

DEFECT	Loose GC Bolt #3 TM	INSPECTED BY:	JA
REPAIR	Tightened bolt	CORRECTED BY:	JA

DEFECT	B/o Ped. liner bolt #2 R	INSPECTED BY:	DRS/JA
REPAIR	c/o bolt & tightened	CORRECTED BY:	DRS/JA

DEFECT	B/o base cover gasket L3	INSPECTED BY:	DRS/JA
REPAIR	c/o gasket	CORRECTED BY:	DRS/JA

Description of Work Performed

Locomotive ID _____

Time Started _____

Time Finished _____

500 gal of fuel in unit
Added 3000 gal

JA

Description of Work Performed

Locomotive ID

Time Started

Time Finished

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

