



5016

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 6.25.10 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

DRH

DONE

UNIT 5016DATE 6-25-10

Service Operations

THROTTLE 8 INBOUND LOAD TESTS

Eng RPM (900)	EMD	_____	Lube Oil Pres	_____
Eng RPM (1050)	GE	<u>1050</u>	Water Temp	<u>120°F</u>
Horsepower		<u>2920</u>	Overspeed Setting	_____
Volts (5.3)	B-23	_____	RACK SETTING	_____
Volts (7)	C-30	<u>6851</u>		
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: 5066

ITEM	<p align="center"><i>In-Bound Or Running Electrical</i></p> <p 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	<hr/>
	NOTE SIGNIFICANT FAULTS ON DEFECT SHEETS.	LeBlanc
	DOWNLOAD & TEST EVENT RECORDER SYSTEM,	LeBlanc
	TEST RADIO ANTENNA WITH MFJ-269 ANALYZER	<hr/>
	CLOSELY INSPECT THE HEAD END DEVICE CONNECTOR. ENSURE IT IS TIGHTLY CONNECTED AND NOT CROSS THREADED	LeBlanc
	PERFORM ALL LOCOMOTIVE SELF TEST FUNCTIONS	LeBlanc
	B. CHECK FOR AC GROUNDS IN COOLING FAN CIRCUIT WITH TEST LIGHT (30 watt bulb) ONLY APPLIES TO GP-7.	<hr/>
	CHECK OPERATION OF GROUND RELAY	LeBlanc
	(TEST THREE TIMES TO VERY LOCK-OUT)(DYNAMIC & POWER)	LeBlanc
	CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)	LeBlanc
	WHILE IN THROTTLE 3 LOAD TEST, CHECK FOR AC GROUNDS. DOES NOT APPLY TO C-30, B-23 AND B-39.	<hr/>
	CHECK OPERATION OF:	<hr/>
	A. HEATING	LeBlanc
	B. WINDSHIELD HEATERS/DEFOGGER (SEPTEMBER - FEBRUARY)	<hr/>
	CHECK OPERATION OF ALERTNESS DEVICES	LeBlanc
	CHECK OPERATION OF ALL EMERGENCY FUEL SHUTOFF DEVICES	LeBlanc
	A. EMERGENCY FUEL CUTOFFS	LeBlanc
	B. MU ENGINE STOP	LeBlanc



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):

DM

PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.

DM

INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS

DM

INSPECT COOLING SYSTEM:

KH

A: CHECK HOSES AND PIPES FOR LEAKS

KH

VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS

KH

TEST AIR BRAKE EQUIPMENT PER RULE 212

DM

PERFORM PENALTY BRAKE TEST

leblanc

CHECK FLUID LEVELS BEFORE LOADING:

DM

A: ENGINE OIL

DM

B: COOLING WATER

DM

C: AIR COMPRESSOR OIL

DM

INSPECT SAND TRAP, NOZZLES, HOSES AND BRACKETS

DM

TEST OPERATION OF THE FOLLOWING DEVICES:

DM

A. BELL

DM

B. SANDERS (FORWARD, REVERSE, EMERGENCY)

DM

C. RADIATOR SHUTTERS

DM

n/a

ELECTRICAL

CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)

Hyatt

IF A TRACTION MOTOR WAS REPAIRED, 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

DM

INSPECT SAFETY POP. 155 PSI

DM



UNIT 5016
 DATE 6-25-10

Service Operations

THROTTLE 8 OUTBOUND LOAD TESTS

Eng RPM (900)	EMD	<u> </u>	Lube Oil Pres	<u> </u>
Eng RPM (1050)	GE	<u>1050</u>	Water Temp	<u>170°F</u>
Horsepower		<u>2920</u>	Overspeed Setting	<u> </u>
Volts (5.3)	B-23	<u> </u>	RACK SETTING #	<u> </u>
Volts (7)	C-30	<u>6.85</u>		
Volts (720)	B-39	<u> </u>		

THROTTLE #1 STALL TEST

OP Mode	(PWR)	<u> </u>		
AMPS	(300)	<u> </u>		
MGA	(1220)	<u> </u>	NOT APPLICABLE TO B-23 AND C-30	
Charging Rate	(70v)	<u>73.4 volts</u>		

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>		

Unit: 5016

Date: 6-25-10

DEFECTS FOUND DURING INSPECTION

DEFECT Fuel filter Housing loose in brackets	INSPECTED BY: NL
REPAIR Added cushions to brackets & tightened	CORRECTED BY: DRS

DEFECT Unit won't load, BR1 + BR2 chattering.	INSPECTED BY: NL
REPAIR Turned Dyn. Brake breaker off to get unit to load	CORRECTED BY: NL

DEFECT Dyn Brake circuit causing BR1 + BR2 to chatter	INSPECTED BY: NL
REPAIR Dyn Brake Holding Mod wired incorrect. Changed wiring	CORRECTED BY: NL

DEFECT Layshaft springs causing Load Regulator to back off	INSPECTED BY: NL
REPAIR Removed Springs to make H.P.	CORRECTED BY: Day shift (D.S.)

DEFECT Turbo Elbow right hand side bolt Broken	INSPECTED BY: D.M
REPAIR Replaced 2 broken bolts changed out all gaskets & bolts w/new	CORRECTED BY: DRS

Unit: 5016

Date: 6-25-10

DEFECTS FOUND DURING INSPECTION

DEFECT <u>No WATER TREATMENT IN COOLING WATER</u>	INSPECTED BY: <u>[Signature]</u>
REPAIR <u>Added one box of coolant treatment</u>	CORRECTED BY: <u>[Signature]</u>

DEFECT <u>Fire Extinguishers dated 2007-2008 - Front and Rear</u>	INSPECTED BY: <u>[Signature]</u>
REPAIR <u>Replaced with extinguishers serviced in 2010</u>	CORRECTED BY: <u>[Signature]</u>

DEFECT <u>wheelstop panel H.V. leads cover off - screws missing</u>	INSPECTED BY: <u>[Signature]</u>
REPAIR <u>Put back on with new screws (10-32 x 1/2)</u>	CORRECTED BY: <u>[Signature]</u>

DEFECT <u>7 lights out 3 stop lights 1 elec. cab 1 # light 1 ditch light</u>	INSPECTED BY: <u>[Signature]</u>
REPAIR <u>Replaced defective bulbs (one broken in socket)</u>	CORRECTED BY: <u>[Signature]</u>

DEFECT <u>Garbage piled up in nose/fresh air comp.</u>	INSPECTED BY: <u>[Signature]</u>
REPAIR <u>cleared debris from nose</u>	CORRECTED BY: <u>[Signature]</u>

ELECTRICAL DEFECTS FOUND DURING INSPECTION

DEFECT <u>TM# 2 broken ground lead.</u>	INSPECTED BY: <u>[Signature]</u>
REPAIR <u>Installed new crimp-rod attached to motor</u>	CORRECTED BY: <u>[Signature]</u>

DEFECT <u>TM# 3 loose gearcase bolts</u>	INSPECTED BY: <u>[Signature]</u>
REPAIR <u>Removed safety wires - tightened w/ spline nut installed new safety wires -</u>	CORRECTED BY: <u>[Signature]</u>

DEFECT <u>10 worn out brake shoes</u>	INSPECTED BY: <u>[Signature]</u>
REPAIR <u>Replaced 10 worn out brake shoes</u>	CORRECTED BY: <u>[Signature]</u>

DEFECT <u>Should have wick box oil and Journal box oil checked/topped off</u>	INSPECTED BY: <u>DR Sauer</u>
REPAIR <u>Topped off all Journal Boxes and Support boxes with R/O 100 oil</u>	CORRECTED BY: <u>[Signature]</u>

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

6-25-10

Locomotive ID 5016

Time Started 7:30

Time Finished 11:00

Found MD 734 card would not reset - c/o Cards, BR1 + BR2 trying to pick up. Turned Dyn Brake Breaker To Isolate BR1 + 2, Load tested unit, Making 2910 H.P. Load regulator at Max. with Layshaft springs removed. Load tested ^{after} ~~with~~ repairs made to Dyn Brake circuit - Making 2920 H.P. with Layshaft springs removed. ^{Ins.} ~~TR~~ 00

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

