



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 02-10-11 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

Bhower



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:

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

BY:

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 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 OPERATION OF:
- A. HEATING
- COMPLETE THE LOAD TEST SHEETS
- INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI
- INSPECT SAFETY POP. 155 PSI

J. Kart

J. Kart

J. Kart



Service Operations

THROTTLE 8 OUTBOUND LOAD TESTS

UNIT _____

DATE _____

Eng RPM (900)	EMD	<u> </u>	Lube Oil Pres	<u> </u>
Eng RPM (1050)	GE	<u> </u>	Water Temp	<u>140</u>
Horsepower		<u>2756</u>	Overspeed Setting	<u> </u>
Volts (5.3)	B-23	<u> </u>	RACK SETTING	<u>19.5</u>
Volts (7)	C-30	<u>6.5</u>		
Volts (720)	B-39	<u> </u>		

THROTTLE #1 STALL TEST

OP Mode	(PWR)	<u>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>8.2</u>
Throttle 2		<u>19.2</u>
Throttle 3		<u>28.8</u>
Throttle 4		<u>35.9</u>
Throttle 5		<u>47.2</u>
Throttle 6		<u>56.6</u>
Throttle 7		<u>68.7</u>
Throttle 8	(72V)	<u>71.2</u>

Unit:

3076

Date:

02-10-11

DEFECTS FOUND DURING INSPECTION

DEFECT	Unit Tripping low water pressure.	INSPECTED BY:	JB
REPAIR	Replaced water line, installed new diaphragm on switch.	CORRECTED BY:	JB/DB

DEFECT	Compressor Drained	INSPECTED BY:	JB
REPAIR	made new gasket, installed water plugs on comp heads	CORRECTED BY:	JB/DB

DEFECT	③ Brake shoes B/O.	INSPECTED BY:	JB
REPAIR	Changed ③ Brake shoes	CORRECTED BY:	JB/DB

DEFECT	operating lever. Too close front/rear	INSPECTED BY:	JB
REPAIR	Replaced operating lever. Too proper clearance	CORRECTED BY:	JB/DB

DEFECT	outer seal missing on # 5 T.M.	INSPECTED BY:	DB
REPAIR	Replaced seal on # 5 T.M.	CORRECTED BY:	DB

Unit: 5016

Date: 02-10-11

DEFECTS FOUND DURING INSPECTION

DEFECT	Found loose gear case Bolt on # 6 T.M.	INSPECTED BY:	D.B.
REPAIR	Re-tightened Bolt on # 6 T.M. CASE	CORRECTED BY:	D.B.

DEFECT	missing (E) style Knuckle	INSPECTED BY:	D.B.
REPAIR	INSTALLED (E) style Knuckle	CORRECTED BY:	D.B.

DEFECT	#4 TM outer seal missing	INSPECTED BY:	D.B.
REPAIR	replaced outer seal	CORRECTED BY:	D.B.

DEFECT	No Boom remove snow + ICE	INSPECTED BY:	D.B. J.B./D.B.
REPAIR	replaced remove snow + ICE	CORRECTED BY:	D.B. J.B./D.B.

DEFECT	Front M.V. Pin #4 burned thin	INSPECTED BY:	J.H.
REPAIR	R+R pin - Tossed m.v.	CORRECTED BY:	J.H.