

UNScheduled



Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 3614 on this date 2-20-13 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)	_____	
AMPS	(300)	_____	
MGA	(1220)	_____	NOT APPLICABLE TO B-23 AND C-30
Charging Rate	(70v)	_____	



REVISION DATE: 8/18/2010
 ISSUED BY: Tim. Scalia

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

UNIT:

In-Bound Or Running Electrical

ITEM

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)

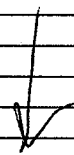
CHECK OPERATION OF ALERTNESS DEVICES

CHECK OPERATION OF ALL EMERGENCY FUEL SHUTOFF DEVICES

A. EMERGENCY FUEL CUTOFFS

B. MU ENGINE STOP

T. Plovede





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

UNIT:

<i>In-Bound Or Running Mechanical</i>		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	
	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	

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Unit: 3614

Date: 2-20-13

DEFECTS FOUND DURING INSPECTION

DEFECT <u>R1, R2 L6 sharp flange</u>	INSPECTED BY: <u>A. Clark</u>
REPAIR <u>Trimmed flanges</u>	CORRECTED BY: <u>T. B. / K. Hussey</u>

DEFECT <u>#6 G-Case seals bad top + bottom</u>	INSPECTED BY: <u>A. Clark</u>
REPAIR <u>Replaced Top G-Case with new & new seals new seals in bottom case - K. Hussey</u>	CORRECTED BY: <u>T. B. / J. B. / K. H.</u>

DEFECT <u>#6 G-Case Top bolt broke</u>	INSPECTED BY: <u>A. Clark</u>
REPAIR <u>Replaced bolt & torqued to 350 Ft Lbs</u>	CORRECTED BY: <u>T. B. / J. B.</u>

DEFECT <u>Several pedestal liners loose bolts</u>	INSPECTED BY: <u>A. Clark</u>
REPAIR <u>Tightened All loose bolts</u>	CORRECTED BY: <u>T. B. / K. H.</u>

DEFECT <u>R5 binder bolts loose</u>	INSPECTED BY: <u>A. Clark</u>
REPAIR <u>Tightened</u>	CORRECTED BY: <u>T. B. / K. H.</u>

Unit: 3614

Date: 2-20-13

DEFECTS FOUND DURING INSPECTION

DEFECT <u>RF, LR, RR sanders plugged</u>	INSPECTED BY: <u>A. Clark</u>
REPAIR <u>unplugged all</u>	CORRECTED BY: <u>J. Blood</u>

DEFECT <u>Fr + rr box low on sand</u>	INSPECTED BY: <u>J. Blood</u>
REPAIR <u>Filled both</u>	CORRECTED BY: <u>K. Hussey</u>

DEFECT <u>#2 6-case bolts broke</u>	INSPECTED BY: <u>A. Clark</u>
REPAIR <u>Repaired + replaced bolts + forged</u>	CORRECTED BY: <u>J. Black</u>

DEFECT <u>#3 6-case bolt missing</u>	INSPECTED BY: <u>A. Clark</u>
REPAIR <u>Replaced + forged 350 Ft lbs</u>	CORRECTED BY: <u>J. Blood</u>

DEFECT <u>#5 7m lead FF burnt off</u>	INSPECTED BY: <u>J. Sudsbury</u>
REPAIR <u>Replaced both ends</u>	CORRECTED BY: <u>J. Sudsbury</u>

Description of Work Performed

Locomotive ID 3614 Time Started 0730 Time Finished 1030 hrs
2-18-13 2-20-13

CAME IN with wheel slip problems + several bad G-Case bolts

#1 TM G-Case bolts broke + missing - Replaced bolts + torqued

#3 TM G-Case bolts missing - Replaced + torqued new bolts

#6 TM G-Case bolts broke - Replaced + torqued new bolts

#6 TM G-Case seals bad - Replaced TOP section w/new case
+ resealed both Top + bottom

#5 TM FF leads both burnt off - wheel slip issue

Replaced 2 new lead ends -

R1, R2, L6 Sharp Flanges - TRIMMED All sharp Flanges

FOUND SEVERAL loose pedestal liners bolts loose - Tightend

R5 BINDER PLATE BOLTS loose - Tightend

Several B-Shoes worn THIN - REPLACED All Bad shoes

Dailyed 3614 - Added oil (3")

Sanders plugged - unplugged -

Both Sand boxes very low - Filled both

Fueled + dailyed 3614 1000 hrs 2-20-13 TP Goodie/K. Hussey

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):
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

Service Operations

UNIT _____

DATE _____

THROTTLE 8 OUTBOUND LOAD TESTS

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