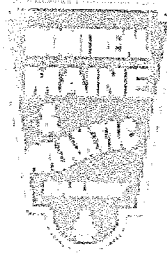


UNScheduled



Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 3603 on this date 1-28-13 and take no exception to applicable laws, rules and or MMA standards, policies and standards.



Service Operations

UNIT 3603

DATE 1-28-13

THROTTLE 8 INBOUND LOAD TESTS

Eng RPM (900)	EMD	_____	Lube Oil Pres	<u>95</u>
Eng RPM (1050)	GE	_____	Water Temp	<u>180</u>
Horsepower		<u>2692</u>	Overspeed Setting	_____
Volts (5.3)	B-23	_____	RACK SETTING	<u>21.50</u>
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)	<u>70 v</u>	



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

J. Hartin

T. Plouffe



FS. strip heater not working - Bad wire - Replaced wire works good now - J. Hartin



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):	<i>M. Nelson</i>
	PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.	
	INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS	<i>M. Nelson</i>
	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	

Unit: 3603

Date: 1-28-13

DEFECTS FOUND DURING INSPECTION

DEFECT <u>Eng. side Rear Radiator leaking</u>	INSPECTED BY: <u>J. Powell</u>
REPAIR <u>squeezed + found ES. rear rad leaking at outer seal ES. middle rad leaking in center of core FS. rear rad leaking at outer seal</u> <u>Replaced core and all seals</u>	CORRECTED BY: <u>J. Powell / M. Watson</u>

DEFECT <u>#1 TM missing 1 G-case bolt</u>	INSPECTED BY: <u>J. Powell</u>
REPAIR <u>Replaced G-case bolt</u>	CORRECTED BY: <u>J. Powell</u>

DEFECT <u>RF sander plugged</u>	INSPECTED BY: <u>J. Powell</u>
REPAIR <u>unplugged</u>	CORRECTED BY: <u>J. Powell</u>

DEFECT <u>Cont. tank full</u>	INSPECTED BY: <u>J. Powell</u>
REPAIR <u>Drained cont. tank</u>	CORRECTED BY: <u>J. Powell</u>

DEFECT <u>MR sp. H₂O valve shut off</u>	INSPECTED BY: <u>J. Powell</u>
REPAIR <u>Turned on - drained out condensation in tank works now</u>	CORRECTED BY: <u>J. Powell</u>

Unit: 3603

Date: 1-28-13

DEFECTS FOUND DURING INSPECTION

DEFECT <u>TRASH BAG 1/2 Full</u>	INSPECTED BY: <u>J. P. [Signature]</u>
REPAIR <u>cleaned cab / replaced trash bag</u>	CORRECTED BY: <u>J. P. [Signature]</u>

DEFECT <u>No H₂O rust inhibitor in water system</u>	INSPECTED BY: <u>M. Nelson</u>
REPAIR <u>Added 1 box of Rust Inhibitor</u>	CORRECTED BY: <u>M. Nelson</u>

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

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

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

UNIT#					AWP
DATE	DESCRIPTION	PART #	QUANTITY	INSTALLED	
1-28-13	31" Resistor core (C-30 model)	?	1	1-28-13	TP6/M.N
1-28-13	3" water coupling Green Seal	41A213752P9	7	1-28-13	TP6/M.N
1-28-13	Rust Inhibitor	5833	1	1-28-13	M. Nelson
1-28-13	AG/AF 6-Case bolt		1	1-28-13	TP6/64
1-28-13	1/2 Hex Nut		6	1-28-13	TP6/64
1-28-13	1/2 washer		6	1-28-13	TP6/64

Description of Work Performed

Locomotive ID 3603 Time Started 0715 AM Time Finished 1430 hrs (pm)

UNIT COME IN WITH RED icicle on Rear ES Rad area/carbody
Squeezed water system 10psi - Found Rear green couple seal leaking
on ES Rear + middle sections + middle section core leaking + FS rear
outer coupling seal leaking

Replaced ES middle rad core with new one + replaced all other
leaking coupling seals that were leaking with new 3 1/2 Green H₂O seals
Squeezed H₂O system again after repairs were made with 10psi for
15 min. - no more leaks - TP Goodie / M. Nelson

Performed daily inspection - Found 1 TM 6-case bolt on support arm missing
replaced + torqued to specs 375 FT lbs

RF sand valve plugged - unplugged

Cont tank Full - Drained + closed valve

#1 MR spitter valve shut off - Turned on + drained of condensation
works good

Load boxed for 25 min. got up to 180° - H₂O cycled - no leaks

Added 1 box of Rust Inhibitor.

devalved + released - 1-13-28 at 1430 hrs TP Goodie - M. Nelson

Note: FS strip heater booked for not working - J. Harton tested + found
bad wire - replaced wire - works good now.



English

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

UNIT: 3603

Out-Bound Loadtest Electrical/Mechanical

WORKED *J. Ploochi*
BY: *M. Nelson*

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

J. Ploochi
M. Nelson



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. Hartin
J. Ploochi





Service Operations

UNIT _____

DATE _____

THROTTLE 8 OUTBOUND 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)	_____	