

Unscheduled Maint

8592
UN

Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 8592 on this date 11-30-10 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

UNIT CAME IN DEAD & DRAINED.

Report - HEAVY BLACK SMOKE - Bad PA R#2

TASK - AIR BOX FIRE / Replace O-Rings / cleaned Boxes

Service Operations

UNIT _____

DATE _____

THROTTLE & INBOUND LOAD TESTS

Eng RPM (900)	EMD	_____	Lube Oil Pres	_____
Eng RPM (1050)	GE	<u>1050</u>	Water Temp	<u>180</u>
Horsepower		<u>3785 HP</u>	Overspeed Setting	<u>1125</u>
Volts (5.3)	B-23	_____	RACK SETTING	<u>21.5</u>
Volts (7)	C-30	_____		
Volts (720)	B-39	<u>705V</u>	<u>B885A</u>	

THROTTLE #1 STALL TEST

OP Mode	(PWR)	_____	
AMPS	(300)	<u>300</u>	
MGA	(1220)	<u>1225</u>	NOT APPLICABLE TO B-23 AND C-30
Charging Rate	(70v)	<u>72v</u>	

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

<i>In-Bound Loadtest Electrical/Mechanical</i>		WORKED BY:
ELECTRICAL		
VERIFY THE OPERATION OF THE GROUND RELAY		
CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)		
WHILE IN THROTTLE 3 LOAD TEST, CHECK FOR AC GROUNDS		
CHECK OPERATION OF:		
A. HEATING		
COMPLETE THE IN-BOUND LOAD TEST SHEETS		
GROUND RELAY-(TEST THREE TIMES TO VERY LOCK-OUT)(DYNAMIC & POWER)		
CHECK THE FOLLOWING FOR PROPER OPERATION:		
A. CREW ALERT		
B. RADIO AND ANTENNA		
C. AXLE ALT. SPEEDO		
D. MU ENGINE SHUTDOWN		
E. FUEL CUT-OFF		
F. TEST WARNING DEVICES		
MECHANICAL		
CLEAN AND SERVICE TOILET AND RESTROOM		
DRAIN RETENTION TANK		<i>J. Hartin</i>
PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.		
INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS		<i>D. Black</i>
INSPECT COOLING SYSTEM:		<i>D. Black, J.H.</i>
A: CHECK HOSES AND PIPES FOR LEAKS		<i>D. Black, J. Hartin</i>
CHECK OPERATION OF ENGINE PROTECTION DEVICES:		
A. CRANKCASE PRESSURE		
VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS		<i>D. Black</i>
PERFORM MANUAL AIR BRAKE TEST		
Verify Flow Gauge	NOTE: 120-	
130 main reservoir is 64 + or - 3,	130-140 main	
reservoir is 60 + 0		
PERFORM PENALTY BRAKE TEST		
CHECK FOR CORRECT AIR PRESSURE SETTINGS:		<i>D. Black</i>
A. MAIN RESERVOIR (130 - 140 PSI)		<i>D. Black</i>
B. BRAKE PIPE (90 PSI)		<i>D. Black</i>
C. EQUALIZING RESERVOIR (90 PSI)		<i>D. Black</i>
D. BRAKE CYLINDER (72 - 74 PSI)		<i>D. Black</i>
E. COMPRESSOR CONTROL (130 - 140 PSI +/- 5 PSI)		<i>M. Locky</i>
CHECK FLUID LEVELS BEFORE LOADING:		<i>Added a "</i>
A: ENGINE OIL		<i>half</i>
B: COOLING WATER		<i>OK</i>
C: AIR COMPRESSOR OIL		
TEST OPERATION OF THE FOLLOWING DEVICES:		<i>D. Black, J. Hartin</i>
A. BELL		<i>D. Black, J. Hartin</i>
B. SANDERS (FORWARD, REVERSE, EMERGENCY)		<i>D. Black, J. Hartin</i>
C. RADIATOR SHUTTERS		

Service Operations

UNIT _____

DATE _____

THROTTLE # 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)	_____	

Unit: _____

Date: _____

DEFECTS FOUND DURING INSPECTION

DEFECT	L-1 - R-1-2 Air Box bad gasket	INSPECTED BY:	J. Hartman D. Black
REPAIR	replace all gaskets R-1 side L-side - R-side	CORRECTED BY:	D. Black J. Hartman

DEFECT	RR. Sander plug	INSPECTED BY:	D. Black
REPAIR	repaired	CORRECTED BY:	D. Black

DEFECT	# Bad brake shoe	INSPECTED BY:	D. Black J. Hartman
REPAIR	replaced	CORRECTED BY:	D. Black J. Hartman

DEFECT	Bad air box R. side	INSPECTED BY:	J. Hartman
REPAIR	replaced	CORRECTED BY:	J. Hartman

DEFECT	R #1 wheel Bad Thin Flange	INSPECTED BY:	D. Black
REPAIR	change out	CORRECTED BY:	

Unit: _____

Date: _____

DEFECTS FOUND DURING INSPECTION

DEFECT	otter T.M. seal Bad	INSPECTED BY:	D. Black
REPAIR	replaced	CORRECTED BY:	D. Black

DEFECT	full of water	INSPECTED BY:	D. Black
REPAIR	full of water and treatment	CORRECTED BY:	D. Black

DEFECT	R#2 Power c/y. Bad	INSPECTED BY:	D. Black
REPAIR	replace, <u>PA# 4/04</u> R-2	CORRECTED BY:	M. Cooley D. Black

DEFECT	NO Number Lights on Rear	INSPECTED BY:	M. Cooley
REPAIR		CORRECTED BY:	

DEFECT		INSPECTED BY:	
REPAIR		CORRECTED BY:	

Description of Work Performed

Locomotive ID _____

Time Started _____

Time Finished _____

changed all gaskets air boxes L-R side
changed 4 brake shoes
added 6" oil

replaced full of water and treatment

repaired 4# TM after seal

replaced 1 air box right side

cleaned all ports

unplugged R-R sanders

drained contaminant tank

replaced surge plug

changed R-2 power cyl. #108

changed out #1 TM T.F. Bad wheel

clean and replace both side full gauges

replace 4 light bulbs seat # plate

replace 2 step lights

UNIT#	DESCRIPTION	PART #	QUANTITY	INSTALLED	AWP
DATE					