



6662
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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 1-14-11 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

— Came in with BROKEN
shaft to equipment power
— Blower shaft bent
— Guards all bent up
wall

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)	_____	

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

INSPECTION

In-Bound Loadtest Electrical/Mechanical

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
- 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
- CHECK OPERATION OF ENGINE PROTECTION DEVICES:
 - A. CRANKCASE PRESSURE
- VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS
- PERFORM MANUAL AIR BRAKE TEST
 - Verify Flow Gauge
 - 130 main reservoir is 64 + or - 3,
 - reservoir is 60 + 0
- PERFORM PENALTY BRAKE TEST
- CHECK FOR CORRECT AIR PRESSURE SETTINGS:
 - A. MAIN RESERVOIR (130 - 140 PSI)
 - B. BRAKE PIPE (90 PSI)
 - C. EQUALIZING RESERVOIR (90 PSI)
 - D. BRAKE CYLINDER (72 - 74 PSI)
 - E. COMPRESSOR CONTROL (130 - 140 PSI +/- 5 PSI)
- 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

NOTE: 120-130-140 main

WORKED BY:

Service Operations

THROTTLE 8 INBOUND LOAD TESTS

UNIT 3603

DATE 1-14-11

Eng RPM (900)	EMD	_____	Lube Oil Pres	_____
Eng RPM (1050)	GE	_____	Water Temp	_____
Horsepower	<u>6662</u>	_____	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:

3603

Date:

1-15-11

DEFECTS FOUND DURING INSPECTION

DEFECT	Equipment blower no good - shaft bent shaft going to equipment blower with all guards going to blower bent	INSPECTED BY:	K. Henry / P. Blum
REPAIR	replaced blower + shaft Greased new blower	CORRECTED BY:	K. Henry / P. Blum / Billy

DEFECT	Two bad brake shoes	INSPECTED BY:	K. Henry
REPAIR	replaced + adjusted	CORRECTED BY:	K. Henry / Billy

DEFECT	unit low on fuel	INSPECTED BY:	Billy C
REPAIR	filled	CORRECTED BY:	Billy C

DEFECT	Both ends of unit no sand	INSPECTED BY:	K. Henry
REPAIR	filled	CORRECTED BY:	K. Henry

DEFECT		INSPECTED BY:	
REPAIR		CORRECTED BY:	

Description of Work Performed

Locomotive ID

Time Started

Time Finished
