

UN

Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive MMA 21 on this date 11-24-10 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

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 (5.5)	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)	_____	

DXD

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

<i>In-Bound Loadtest Electrical/Mechanical</i>		WORKED BY:
ELECTRICAL		<i>PC</i>
VERIFY THE OPERATION OF THE GROUND RELAY		<i>PC</i>
CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)		<i>PC</i>
WHILE IN THROTTLE 3 LOAD TEST, CHECK FOR AC GROUNDS		<i>PC</i>
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		<i>✓</i>
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.		<i>S/A</i>
INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS		
INSPECT COOLING SYSTEM:		<i>S/A</i>
A: CHECK HOSES AND PIPES FOR LEAKS		
CHECK OPERATION OF ENGINE PROTECTION DEVICES:		<i>PC S/A</i>
A. CRANKCASE PRESSURE		<i>NA</i>
VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS		<i>PC</i>
PERFORM MANUAL AIR BRAKE TEST		<i>PC/S/A</i>
Verify Flow Gauge		
130 main reservoir is 64 + or - 3, reservoir is 60 + o	NOTE: 120- 130-140 main	
PERFORM PENALTY BRAKE TEST		<i>S/A P/C</i>
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		

Service Operations

UNIT _____

DATE _____

THROTTLE 8 INBOUND LOAD TESTS

Eng RPM (900)	EMD	_____	Lube Oil Pres	_____
Eng RPM (1050)	GE	_____	Water Temp	_____
Horsepower		_____	Over speed Setting	_____
Volts (5.3)	B-23	_____	BACK 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 _____ _____ _____	INSPECTED BY: _____ _____
REPAIR _____ _____ _____	CORRECTED BY: _____

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

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

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

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

Unit: 21

Date: 11-20-10

DEFECTS FOUND DURING INSPECTION

DEFECT <u>R.S. Water manifold leaking at</u> <u>Water Pump 12H30</u>	INSPECTED BY: <u>JA/PC</u>
REPAIR <u>Replaced Gaskets</u>	CORRECTED BY: <u>JA/PC</u>

DEFECT <u>Bleed pipe in V leaking at</u> <u>Pi Hing</u>	INSPECTED BY: <u>JA</u>
REPAIR <u>Replaced Pi Hings</u>	CORRECTED BY: <u>JA/PC</u>

DEFECT _____	INSPECTED BY:
REPAIR _____	CORRECTED BY:

DEFECT _____	INSPECTED BY:
REPAIR _____	CORRECTED BY:

DEFECT _____	INSPECTED BY:
REPAIR _____	CORRECTED BY:

Description of Work Performed

Locomotive ID

21

Time Started

11-22-10

Time Finished

Pulled #1 P/A to Repair water leaks
inside of the V. of the Engine, Replaced
Fittings Seth on #1 Power Assembly
Re gasketed water Manifold and
Squeezed OK + Release ✓

J Anderson

P Conroy

