



*No Run out  
Recorded*

**Locomotive Release from Shop Form**

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 8544 on this date 3-3-11 and take no exception to applicable laws, rules and or MMA standards, policies and standards.



UNIT \_\_\_\_\_

DATE \_\_\_\_\_

# Service Operations

## 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)	_____	NOT APPLICABLE TO B-23 AND C-30
AMPS	(300)	_____	
MGA	(1220)	_____	
Charging Rate	(70v)	_____	

## TL 24T

Throttle 1	(1V)	_____
Throttle 2		_____
Throttle 3		_____
Throttle 4		_____
Throttle 5		_____
Throttle 6		_____
Throttle 7		_____
Throttle 8	(72V)	_____



REVISION:  
 REVISION DATE: 06/22/2010  
 ISSUED BY: T. A. Scalia

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

**UNIT:**

*In-Bound Or Running Electrical*

**ELECTRICAL**

**WORKED BY:**

ITEM

- 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



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

UNIT:

ITEM	<i>In-Bound Or Running Mechanical</i>	WORKED BY
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	



English

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

UNIT:

### Out-Bound Loadtest Electrical/Mechanical

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

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



UNIT \_\_\_\_\_

DATE \_\_\_\_\_

# Service Operations

## 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)	_____	

## TL 24T

Throttle 1	(1V)	_____
Throttle 2		_____
Throttle 3		_____
Throttle 4		_____
Throttle 5		_____
Throttle 6		_____
Throttle 7		_____
Throttle 8	(72V)	_____

Unit: 8546

Date: \_\_\_\_\_

### DEFECTS FOUND DURING INSPECTION

DEFECT	Bad P/A R#3	INSPECTED BY:	JB/JH
REPAIR	Changed P/A, Changed Piston New Crown Con. Rod Wrist Pin, Pump	CORRECTED BY:	MC/KH

DEFECT	Sanders Plugged	INSPECTED BY:	JB
REPAIR	Unplugged all 4 Sanders	CORRECTED BY:	JB

DEFECT	Bad Red Liner 26	INSPECTED BY:	JH
REPAIR	Changed Red Liner	CORRECTED BY:	JB

DEFECT	Cont Tank Full	INSPECTED BY:	MC
REPAIR	Emptied Cont Tank	CORRECTED BY:	MC

DEFECT	down 4" lube oil	INSPECTED BY:	MC
REPAIR	added 4" lube oil	CORRECTED BY:	KH

Unit: \_\_\_\_\_

Date: \_\_\_\_\_

### DEFECTS FOUND DURING INSPECTION

DEFECT	<i>all 4 AA Hold down bolts Broken off.</i>	INSPECTED BY:	<i>Mc</i>
REPAIR	<i>got all bolts out</i>	CORRECTED BY:	<i>Mc/KH</i>

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

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

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

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





# Description of Work Performed

Locomotive ID

Time Started

Time Finished

Employee Signature \_\_\_\_\_ Form to fill out completely and Signature must be legible.

