

Locomotive Release from Shop Form  
To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 8525 on this  
date 9-9-10 and take no exception to applicable laws, rules and or MMA  
standards, policies and standards.

# Service Operations

## THROTTLE 8 INBOUND LOAD TESTS

Throttle 1	(1V)	_____	Throttle 2	_____
Throttle 2	(1V)	_____	Water Temp	_____
Throttle 3		_____	Overheat Setting	_____
Throttle 4	(1.2V)	_____	RAMP SETTING	_____
Throttle 5	(1.3V)	_____		
Throttle 6		_____		
Throttle 7		_____		
Throttle 8	(1.3V)	_____		

## 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)	_____

REVISION  
 REVISION DATE: 06 22 2010  
 ISSUED BY: T. A. SCHEIDT

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

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

UNIT:

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

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

UNIT:

Out-Bound Loadtest Electrical/Mechanical

WORKED

ITEM		WORKED
	<b>MECHANICAL</b>	
	INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):	
	PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.	D. Black
	INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS	11
	INSPECT COOLING SYSTEM:	11
	A. CHECK HOSES AND PIPES FOR LEAKS	11
	VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS	11
	TEST AIR BRAKE EQUIPMENT PER RULE 212	11
	PERFORM PENALTY BRAKE TEST	11
	CHECK FLUID LEVELS BEFORE LOADING:	11
	A. ENGINE OIL	11
	B. COOLING WATER	11
	C. AIR COMPRESSOR OIL	11
	INSPECT SAND TRAP, NOZZLES, HOSES AND BRACKETS	11
	TEST OPERATION OF THE FOLLOWING DEVICES:	11
	A. BELL	11
	B. SANDERS (FORWARD, REVERSE, EMERGENCY)	11 FT, + Reel
	C. RADIATOR SHUTTERS	11
	<b>ELECTRICAL</b>	
	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 OPERTION OF:	
	A. HEATING	
	COMPLETE THE LOAD TEST SHEETS	
	INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI	
	INSPECT SAFETY POP. 155 PSI	D. Black

## Service Operations

### THROTTLE 8 OUTBOUND LOAD TESTS

Throttle #1	(1V)		Throttle #2		
Throttle #2			Throttle #3		
Throttle #3			Throttle #4		
Throttle #4	(1.2V)		Throttle #5		
Throttle #5	(1.3V)		Throttle #6		
Throttle #6	(1.3V)		Throttle #7		
Throttle #7			Throttle #8		

### THROTTLE #1 STALL TEST

OP Mode	(PWR)		
AMPS	(300)		
NGA	(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: 8525

Date: 9-9-80

### DEFECTS FOUND DURING INSPECTION

DEFECT	#2 T. Motor NO GOOD HOT BOX - AXLE NO GOOD	INSPECTED BY:	Billy C
REPAIR	put new T-motor in unit #2	CORRECTED BY:	D. Black

DEFECT	<del>2</del> 3 bolts missing in piston LINERS	INSPECTED BY:	D. Black
REPAIR	replaced	CORRECTED BY:	D. Black

DEFECT	Top deck cover missing leaking oil	INSPECTED BY:	D. Black
REPAIR	Put new seal in it	CORRECTED BY:	D. Black

DEFECT	Two cyl out of adjustment RACK	INSPECTED BY:	D. Black
REPAIR	Adjusted them	CORRECTED BY:	D. Black

DEFECT	unit came in low on fuel	INSPECTED BY:	D. Black
REPAIR	filled	CORRECTED BY:	L. Hays

Unit: 8525

Date: 9-9-10

### DEFECTS FOUND DURING INSPECTION

DEFECT <u>Two BAD brace shoes</u>	INSPECTED BY: <u>D. Black</u>
REPAIR <u>Replaced</u>	CORRECTED BY: <u>K. Hany / D. Black</u>

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.

UNIT#	DESCRIPTION	PART #	QUANTITY	INSTALLED	AWP
DATE					

3474  
2607  

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767