

Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 5017 on this date \_\_\_\_\_ and take no exception to applicable laws, rules and or MMA standards, policies and standards.

UNIT 5017

DATE \_\_\_\_\_

### Service Operations

#### THROTTLE 8 INBOUND LOAD TESTS

Eng RPM (900)	FMD	<u>          </u>	Lube Oil Pres	<u>40 lbs</u>
Eng RPM (1500)	GF	<u>1050</u>	Water Temp	<u>170°</u>
Horsepower		<u>3000+-</u>	Overspeed Setting	<u>1100</u>
Volts (5.3)	B-23	<u>          </u>	RACK SETTING	<u>          </u>
Volts (7)	C-30	<u>7 VDC</u>		
Volts (720)	B-39	<u>          </u>		

#### THROTTLE #1 STALL TEST

OP Mode	(PWR)	<u>          </u>	
AMPS	(300)	<u>290</u>	
MGA	(1220)	<u>          </u>	NOT APPLICABLE TO B-23 AND C-30
Charging Rate	(70v)	<u>73.3</u>	

#### TL 24T

Throttle 1	(IV)	<u>          </u>
Throttle 2		<u>          </u>
Throttle 3		<u>          </u>
Throttle 4		<u>          </u>
Throttle 5		<u>          </u>
Throttle 6		<u>          </u>
Throttle 7		<u>          </u>
Throttle 8	(72V)	<u>          </u>

		REVISION: REVISION DATE: 06/22/2010 ISSUED BY: T. A. Scala
B-23, B-39, C-30, GP-7 UNSCHEDULED		UNIT: 5017
ITEM	<i>In-Bound Or Running Electrical</i> <b>ELECTRICAL</b>	<b>WORKED BY:</b>
	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	N/A
	NOTE SIGNIFICANT FAULTS ON DEFECT SHEETS.	(CCOP triggered)
	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	N/A
	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.	N/A
	CHECK OPERATION OF GROUND RELAY	OK BW
	(TEST THREE TIMES TO VERY LOCK-OUT)(DYNAMIC & POWER)	OK BW
	CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)	OK BW
	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	OK
	B. WINDSHIELD HEATERS/DEFOGGER (SEPTEMBER - FEBRUARY)	OK
	CHECK OPERATION OF ALERTNESS DEVICES	OK BW
	CHECK OPERATION OF ALL EMERGENCY FUEL SHUTOFF DEVICES	_____
	A. EMERGENCY FUEL CUTOFFS	OK BW
	B. MU ENGINE STOP	OK BW

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

UNIT: 5017

In-Bound Or Running Mechanical		WORKED BY:
ITEM	MECHANICAL	
	INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):	DRS see Defects
	PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.	DRS see Defects
	INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS	DRS see Defects
	INSPECT COOLING SYSTEM:	
	A: CHECK HOSES AND PIPES FOR LEAKS	DRS see Defects
	VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS	DRS
	TEST AIR BRAKE EQUIPMENT PER RULE 212	BW
	PERFORM PENALTY BRAKE TEST	BW
	CHECK FLUID LEVELS BEFORE LOADING:	
	A: ENGINE OIL	DRS
	B: COOLING WATER	DRS
	C: AIR COMPRESSOR OIL	DRS
	TEST OPERATION OF THE FOLLOWING DEVICES:	
	A. BELL	BW
	B. SANDERS (FORWARD, REVERSE, EMERGENCY)	
	C. RADIATOR SHUTTERS	
	INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI	DRS
	INSPECT SAFETY POP. 155 PSI	DRS see Defects

English

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

UNIT: 5017

Out-Bound Loadtest Electrical/Mechanical

WORKED

ITEM		BY:
	<b>MECHANICAL</b>	
	INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):	OK DRS
	PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.	OK DRS
	INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS	OK DRS
	INSPECT COOLING SYSTEM:	
	A: CHECK HOSES AND PIPES FOR LEAKS	OK DRS
	VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS	OK DRS
	TEST AIR BRAKE EQUIPMENT PER RULE 212	
	PERFORM PENALTY BRAKE TEST	
	CHECK FLUID LEVELS BEFORE LOADING:	
	A: ENGINE OIL	OK BW
	B: COOLING WATER	OK BW
	C: AIR COMPRESSOR OIL	OK BW
	INSPECT SAND TRAP, NOZZLES, HOSES AND BRACKETS	
	TEST OPERATION OF THE FOLLOWING DEVICES:	
	A. BELL	OK BW
	B. SANDERS (FORWARD, REVERSE, EMERGENCY)	
	C. RADIATOR SHUTTERS	N/A
	<b>ELECTRICAL</b>	
	CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)	OK BW
	IF A TRACTION MOTOR WAS REPLACED, ROLL TEST THE LOCOMOTIVE TO ENSURE THE TM LEADS ARE PROPERLY HOOKED UP	N/A
	WHILE IN THROTTLE 3 LOAD TEST, CHECK FOR AC GROUNDS. DOES NOT APPLY TO C-30, B-23 AND B-39.	N/A
	CHECK OPERATION OF:	
	A. HEATING	OK
	COMPLETE THE LOAD TEST SHEETS	OK
	INSPECT AIR COMPRESSOR GOVERNOR SETTING. 135 TO 145 PSI	OK
	INSPECT SAFETY POP. 155 PSI	New

UNIT 5017

### Service Operations

DATE \_\_\_\_\_

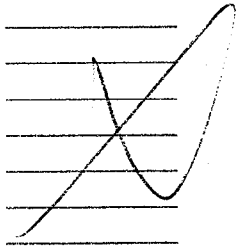
#### THROTTLE 8 OUTBOUND LOAD TESTS

Eng RPM (900)	IND	<u>—</u>	Tube Oil Pres	<u>40 act. dk</u>
Eng RPM (1050)	OL	<u>1050</u>	Water Temp	<u>180</u>
Horsepower		<u>3000</u>	Overspeed Setting	<u>1100</u>
Volts (5-3)	B-23	<u>—</u>	RACK SETTING	<u>—</u>
Volts (7)	C-30	<u>7 VDC</u>		
Volts (720)	B-39	<u>—</u>		

#### THROTTLE #1 STALL TEST

OP Mode	(PWR)	<u>—</u>	
AMPS	(300)	<u>290 1st notch</u>	
MGA	(1220)	<u>—</u>	NOT APPLICABLE TO B-23 AND C-30
Charging Rate	(70v)	<u>73.3v</u>	

#### TL 24T

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

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

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

### DEFECTS FOUND DURING INSPECTION

DEFECT <i>Amot T-stat stuck open</i>	INSPECTED BY: <i>DRS</i>
REPAIR <i>Cleaned Housing, o/p pill &amp; gasket</i>	CORRECTED BY: <i>DRS</i>

DEFECT <i>Turbo exhaust bolts loose</i>	INSPECTED BY: <i>DRS</i>
REPAIR <del><i>Aspirator tube broken, clamp off</i></del> <i>Tightened</i>	CORRECTED BY: <i>DRS</i>

DEFECT <i>Aspirator tube broken, clamp off</i>	INSPECTED BY: <i>DRS</i>
REPAIR <i>Repositioned tube OK</i>	CORRECTED BY: <i>DRS</i>

DEFECT <i>Several Fuel pump gaskets leak</i>	INSPECTED BY: <i>DRS</i>
REPAIR _____	CORRECTED BY: _____

DEFECT <i>exhaust leak L7</i>	INSPECTED BY: <i>DRS</i>
REPAIR <i>Repaired / tightened manifold</i>	CORRECTED BY: <i>DRS</i>

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

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

### DEFECTS FOUND DURING INSPECTION

DEFECT <i>MR 150 pop valve leaks</i>	INSPECTED BY: <i>DRS</i>
REPAIR <i>Replaced</i>	CORRECTED BY: <i>BW</i>

DEFECT <i>Carbody Door Handle missing</i>	INSPECTED BY: <i>DRS</i>
REPAIR <i>Replaced</i>	CORRECTED BY: <i>DRS</i>

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 \_\_\_\_\_



