



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 2-11-11 and take no exception to applicable laws, rules and or MMA standards, policies and standards.



UNIT _____

DATE _____

Service Operations

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)	_____	

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:

ITEM	<i>In-Bound Or Running Electrical</i> 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	<i>In-Bound Or Running Mechanical</i> MECHANICAL	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	



English

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

UNIT:

Out-Bound Loadtest Electrical/Mechanical

WORKED

ITEM	MECHANICAL <i>Cleaned cab M. Cooley</i>	BY
INSPECT ENGINE OVERHEAD (WITH ENGINE AT IDLE):	<i>D. Black - M. Cooley</i>	
PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.	<i>D. Black</i>	
INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS	<i>D. Black</i>	
INSPECT COOLING SYSTEM:		
A: CHECK HOSES AND PIPES FOR LEAKS	<i>D. Black, see defect</i>	
VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS	<i>D. Black</i>	
TEST AIR BRAKE EQUIPMENT PER RULE 212	<i>M. Cooley</i>	
PERFORM PENALTY BRAKE TEST	<i>M. Cooley</i>	
CHECK FLUID LEVELS BEFORE LOADING:		
A: ENGINE OIL		
B: COOLING WATER	<i>M. Cooley, Jack - Done</i>	
C: AIR COMPRESSOR OIL	<i>D. Black</i>	
INSPECT SAND TRAP, NOZZLES, HOSES AND BRACKETS	<i>D. Black</i>	
TEST OPERATION OF THE FOLLOWING DEVICES:		
A. BELL	<i>M. Cooley</i>	
B. SANDERS (FORWARD, REVERSE, EMERGENCY)	<i>M. Cooley</i>	
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 _____

Service Operations

DATE _____

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: 5017

Date: 2-11-11

DEFECTS FOUND DURING INSPECTION

DEFECT <u>BAD TRACTION MOTOR</u>	INSPECTED BY: <u>J. Hartis</u>
REPAIR <u>changed M. Conly, R. Hensley</u>	CORRECTED BY: <u>MC KH</u>

DEFECT <u>oil out stack</u>	INSPECTED BY: <u>J. P. Bonds</u>
REPAIR <u>change R5- + R-8</u>	CORRECTED BY: <u>M. Conly B. C.</u>

DEFECT <u>CARBODY / ROOF / walkways / handrails covered with oil</u>	INSPECTED BY: <u>J. P. Bonds</u>
REPAIR <u>washed</u>	CORRECTED BY: <u>J.H. - D.S.</u>

DEFECT <u>water leak by power</u>	INSPECTED BY: <u>D. Black</u>
REPAIR <u>repaired</u>	CORRECTED BY: <u>D. Black</u>

DEFECT <u>#2 TM Grounded (G.R)</u>	INSPECTED BY: <u>MC</u>
REPAIR <u>Bad Brush holder changed it</u>	CORRECTED BY: <u>MC</u>

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: _____ _____



Description of Work Performed

Locomotive ID 5017 Time Started 1000 hrs 2-11-11 Time Finished

inspected Both Exhaust chambers - R side oil at ^{R3} R5, R6

R2 Test cock packing

L side oil at L3

Leaking oil by it

Description of Work Performed

ocomotive ID

Time Started

Time Finished

ocomotive ID	Time Started	Time Finished

Employee Signature _____ **Form to fill out completely and Signature must be legible.**

UNIT# DATE	DESCRIPTION	PART #	QUANTITY	INSTALLED	AWP