

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

I have reviewed the work packet for locomotive 23 on this
date _____ and take no exception to applicable laws, rules and or MMA
standards, policies and standards.

COMPRESSOR low PRESSURE CYLINDER PROBLEMS

Tim,

The 23 ~~is~~ ^{is} to come to Derby
~~for~~ for the following problems:

① Gov. oil leak

② Over-riding brake shoes, and
bad brake head.

23

③ Air problems; when the sander is used
the main res. loses pressure fast, also,
it take a very long time to air up a train.

④ Oil in water sight glass constantly,
have cleaned glass on two occasions

⑤ Radiator leaks when hot, somewhere
over accessory rack.

5024 - #5 T.M. bad gear case damage.

Brian & Dwayne

9/15/10

(Should be in derby tomorrow)

Service Operations

THROTTLE 8 INBOUND LOAD TESTS

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

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: 09/22/2010
 ISSUED BY: T. A. GARD

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:

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

pop 153 psi

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):	<i>J. Black</i> <i>J. Black</i> <i>J. Black</i>	
PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.		
INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS		
INSPECT COOLING SYSTEM:	<i>J. Black</i> <i>J. Black</i> <i>J. Black</i> <i>J. Black</i> <i>J. Black</i> <i>J. Black</i> <i>J. Black</i> <i>J. Black</i> <i>J. Black</i> <i>J. Black</i>	
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:	<i>J. Black</i> <i>J. Black</i> <i>J. Black</i>	
A. BELL		
B. SANDERS (FORWARD, REVERSE, EMERGENCY)		
C. RADIATOR SHUTTERS	<i>J. Black</i> <i>J. Black</i> <i>J. Black</i>	
ELECTRICAL		
CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)		
IF A TRACTION MOTOR WAS REPAIRED, 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		

pop 153 psi

Service Operations

THROTTLE #8 OUTBOUND LOAD TESTS

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

THROTTLE #1 STALL TEST

OP Mode	(PWR)		NOT APPLICABLE TO B-23 AND C-30
AMPS	(300)		
MOA	(1220)		
Charging Rate	(70v)		

TL 24T

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

Unit: 23

Date: _____

DEFECTS FOUND DURING INSPECTION

DEFECT	<u>WHEN SANDER IS USED M-R PRESSURE DROPS OFF, ALSO COMPRESSOR PUMPS UP SLOW</u>	INSPECTED BY: <u>B. Wiles</u>
REPAIR	<u>CHANGED BOTH LOW PRESSURE VALUES, CLEANED UNLOADER, REPAIRED COPPER LINE COMING FROM REGULATOR VALVE.</u>	CORRECTED BY: <u>J. White</u>

DEFECT	<u>Oil in sight glass</u>	INSPECTED BY: <u>B. Wiles</u>
REPAIR	<u>Cleaned sight glass / added (1) box dish washer soap. possible old frozen oil left in system</u>	CORRECTED BY: <u>J. White</u>

DEFECT	<u>oil leaks possible Radiator leak</u>	INSPECTED BY: <u>B. Wiles</u>
REPAIR	<u>Checked all fittings for tight EASP Rad sections no leak found.</u>	CORRECTED BY: <u>J. White</u>

DEFECT	<u>possible radiator leak small oil leak Governor</u>	INSPECTED BY: <u>B. Wiles</u>
REPAIR	<u>YOU SMALL OIL LEAK AROUND DRIVE BASE SHOULD NOT CAUSE A PROBLEM, CHECKED ALL BOLTS FOR TIGHT.</u>	CORRECTED BY: <u>J. White</u>

DEFECT	<u>OVER RIDDY BRACKLE SHOES.</u>	INSPECTED BY: <u>B. Wiles</u>
REPAIR		CORRECTED BY:

Unit: _____

Date: _____

DEFECTS FOUND DURING INSPECTION

DEFECT	Air compressor low on oil	INSPECTED BY:	J. Blake
REPAIR	Added (4) gal oil ✓ - OK Trip base	CORRECTED BY:	J. Blake

DEFECT	Air leak manifold on L,R METANKS	INSPECTED BY:	J. Blake
REPAIR	Repaired leak, changed fitting ✓ - OK	CORRECTED BY:	J. Blake

DEFECT	L-2 Brake head worn out L-3 Brake head worn out need to drop TIM. TO Repair	INSPECTED BY:	J. Blake
REPAIR		CORRECTED BY:	

DEFECT	R-5 Slack Adj Bolt missing nut & cotter pin	INSPECTED BY:	J. Blake
REPAIR	Replaced nut & cotter pin	CORRECTED BY:	J. Blake

DEFECT		INSPECTED BY:	
REPAIR		CORRECTED BY:	

Description of Work Performed

Locomotive ID

Time Started

Time Finished

Description of Work Performed

Locomotive ID

Time Started

Time Finished

Changed (2) low pressure comp valves (3 hrs)
Repaired air leak - air tank (1 hr)
Added comp oil, Trap Base (1 hr)
cleaned sight glass, (✓) for oil leak (2 hrs)
(✓) for water level Radiator, 2 hrs
Replaced stack adj Bolt. & pin (1 hr)

Employee Signature _____

Form to fill out completely and Signature must be legible.

