MOS

Locomotive Release from Shop Form

To be completed on every engine released from the Shop

I have reviewed the work packet for locomotive 2553 on this date 2-2-13 and take no exception to applicable laws, rules and or MMA standards, policies and standards.

B-23, B-39, C-30, GP-7 MO3 INSPECTION	00070mmin
In-Bound Loadtest Electrical/Mechanical	WORKED BY:
ELECTRICAL	
VERIFY THE OPERATION OF THE GROUND RELAY	1001
CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)	100111
CHECK OPERTION OF:	I K See
A. HEATING	+ Allen
COMPLETE THE IN-BOUND LOAD TEST SHEETS	100
CHECK THE FOLLOWING FOR PROPER OPERATION:	Miller
A. CREW ALERT	1 Com
B. RADIO AND ANTENNA	1 Stort
C. AXLE ALT. SPEEDO	111 100 11
D. MU ENGINE SHUTDOWN	The Stand of
E. FUEL CUT-OFF	1 CStral
F. TEST WARNING DEVICES	18am
MECHANICAL MECHANICAL	,
CLEAN AND SERVICE TOILET AND RESTROOM	
DRAIN RETENTION TANK	1
PROPER LUBRICATION? FUEL LEAKS? CAM ROLLER ROTATION? ETC.	1 Sew
INSPECT FUEL SYSTEM HOSES AND PIPES FOR LEAKS	and the second of the second o
INSPECT COOLING SYSTEM:	1 has
A: CHECK HOSES AND PIPES FOR LEAKS CHECK OPERATION OF ENGINE PROTECTION DEVICES:	
A. CRANKCASE PRESSURE	I Karry
VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS	199
PERFORM MANUAL AIR BRAKE TEST	The first
Verify Flow Gauge	+ AC STATE
130 main reservoir is 64 + or - 3, 130-140 main	de la constantina della consta
reservoir is 60 + o	
PERFORM PENALTY BRAKE TEST	1 Class
CHECK FOR CORRECT AIR PRESSURE SETTINGS:	
A. MAIN RESERVOIR (130 - 140 PSI)	(day)
B. BRAKE PIPE (90 PSI)	Ketway
C. EQUALIZING RESERVOIR (90 PSI)	K. Clark
D. BRAKE CYLINDER (72 - 74 PSI) E. COMPRESSOR CONTROL (130 - 140 PSI +/-5 PSI)	96 000
E. COMPRESSOR CONTROL (130 - 140 PSI +/-5 PSI) CHECK FLUID LEVELS BEFORE LOADING:	K SIN
A: ENGINE OIL	
B: COOLING WATER	N. Cirlique
C: AIR COMPRESSOR OIL	1. Contere
TEST OPERATION OF THE FOLLOWING DEVICES:	Collegen
A. BELL	
B. SANDERS (FORWARD, REVERSE, EMERGENCY)	ASSA
C. RADIATOR SHUTTERS	THE STATE OF THE S
	1/0

B-23, B-39, C-30, GP-7 MO3 INSPECTION	
MECHANICAL IN HOUSE	WORKED BY
REVIEW LAB CODE AND PERFORM A COMPLETE AIRBOX/CRANKCASE INSPECTION IF A LAB	
CODE EXISTS	
CHANGE THE FOLLOWING FILTERS AND ASSOCIATED GASKETS:	
FUEL SPIN ON FILTERS. EMD ONLY	
SOAK BACK FILTER. EMD ONLY TURBO SPIN ON FILTER. EMD ONLY	
COMPLETE FRA INSPECTION (DAILY INSPECTION CHECKLIST)	MADO
CARBODY	1
INSURE SAND NOZZLES AND HOSES ARE IN PLACE AND SECURED. MAKE SURE THEY ARE	11 00
ALIGNED WITH WHEEL AND TRACK. INSPECT SAND TRAPS AND REPAIR AS NEEDED.	1831
INSPECT COUPLERS & DRAFT GEARS. MAKE REPAIRS AS NECESSARY	KITINI
CHECK KNUCKLE CLEARANCE AND KNUCKLE THROWER, MAKE REPAIRS AS NEEDED AND APPLY	Alt
SPARE KNUCKLES (E AND F TYPE) (2.5") INSPECT PIN LIFTERS CHECKING FOR PROPER HAND CLEARANCE AND ANTI-CREEP	MAST
CHECK SNOWPLOW (IF EQUIPPED) FOR HANDHOLDS AND PROPER DISTANCE	JAA
CHECK AUTO BLOWDOWNS FOR PROPER OPERATIONS IN AUTOMATIC MODE	Marie
ENSURE SUMP DRAINS ARE OPEN AND FREE OF DEBRIS	1/19
TRUCKS	
INSPECT WICK BOLT SECUREMENT AND REPAIR IF NECESSARY	14200
CHECK SUSPENSION BEARING OIL LEVEL	1211
CHECK JOURNAL BOX OIL LEVEL (FILL TO POINT OF OVERFLOW)	10/200
CHECK GEAR CASES AND INSPECT BULL GEAR (ADD 6lbs. OF GEARCASE GREASE) CHECK OIL FILLED GEAR CASES AND FILL (RECORD USAGE BELOW)	
# 1 TRACTION MOTOR: OIL USED	
# 2 TRACTION MOTOR: OIL USED	
# 3 TRACTION MOTOR: OIL USED	
# 4 TRACTION MOTOR: OIL USED	
# 5 TRACTION MOTOR: OIL USED	
# 6 TRACTION MOTOR: OIL USED	10.4
INSPECT ALL BRAKE HANGERS, HEADS, GUIDES AND STRAPS ENSURING BRAKE SHOES ARE IN LINE WITH WHEELS	Mario
САВ	
CHECK FIRE EXTINGUISHERS, DATE AND TAG. REPLACE IF USED OR OUT OF DATE.	
CHECK HANDBRAKE AND INSPECT DATE. MAKE REPAIRS AS NECESSARY	
MISC IN ACCORDANCE WITH FRA 229.23. VERIFY AIR GAUGES (+/- 3PSI) (CALIBRATE AT +/- 1PSI,	
REQUIRES 130 PSI MR)	\mathcal{A}
CHECK ALL FLUID LEVELS, ENGINE OIL, COOLING WATER, AIR COMPRESSOR OIL	11.40
DRAIN RETENTION TANK	
TOILET MAINTENANCE:	
A. INSPECT/REPAIR AS NEEDED TOILET DRAIN VALVE & FLOOR SEALS	
Cab Seat Inspection:	
A. INSPECT THE VERTICAL ADJUSTMENT LEVER. VERIFY THAT THE LEVER OPERATES AND THAT THE SEAT PAN ADJUSTS UP AND DOWN AND DOES NOT DROP SUDDENLY.	
B. LUBRICATE PIVOT POINTS	
C. INSPECT ROTATION ADJUSTMENT LOCKING PIN. VERIFY THAT THE LOCKING PIN OPERATES	
(PULL OUT TO RELEASE LOCK) AND THAT THE SEAT ROTATES WHEN UNLOCKED.	
D. LUBRICATE THE PIN MECHANISM.	
E. SEAT PAN COMPONENTS: INSPECT THE FORE-AFT FINE ADJUSTMENT LEVER. F. VERIFY THAT THE LEVER SLIDES SIDEWAYS TO UNLOCK SEAT FOR/AFT ADJUSTMENT AND	
F. VERIFY THAT THE LEVER SLIDES SIDEWAYS TO UNLOCK SEAT FOR/AFT ADJUSTMENT AND SEAT SLIDES FOR/AFT EASILY	
G. IF THE SEAT MOVEMENT IS IMPEDED, REMOVE SEAT CUSHION AND INSPECT SEAT PAN	
ROLLER TRACK FOR DEBRIS, MALFUNCTION, OR LACK OF LUBRICATION.	
H. INSPECT SEAT RAILS AND REPLACE IF DAMAGED OR WORN BEYOND PROVIDING SECURE,	
STABLE MOUNTING OF SEAT.	

I. INSP

B-23, B-39, C-30, GP-7 MO3 INSPECTION	Revision Date: 8/18/2010 Issued By: Tim Scalia
	WORKED BY:
Electrical in House	
SERVICE THE BATTERIES AND COMPLETE JSP-010	
VERIFY EVENT RECORDER IS WORKING	1/5/42)
CHECK & RECORD THE DATE ON HEAD END DEVICE	
CHECK THE FOLLOWING EQUIPMENT AND THEIR RELATED GUARDS AND LENSES FOR PROPER OPERATION:	
CHECK ALL GROUND AND STEP LIGHTS, FRONT AND REAR HEADLIGHTS, DITCH LIGHTS, CAB LIGHTS, GAUGE LIGHTS, NUMBER PLATES, PLATFORM LIGHTS, ALL WARNING AND INDICATOR LIGHTS	Nost
TRACTION MOTORS AND UNDERFRAME	
CHECK ALL BRUSHES	
CHECK THE TRACTION MOTOR LEADS, VERIFY ALEA ADS ARE RUBBING ON THE FRAME	12th
INSPECT TRACTION MOTOR COVERS AND ENSURE BOLTS ARE IN PLACE AND TIGHT	KStor
CHECK M.U. RECEPTACLE PINS AND LIDS. MAKE NECESSARY REPAIRS	Chart
MAKE SURE M.U. CABLES DO NOT FOUL COUPLERS	11/1/1

	The second secon					LOCO	LOCOMOTIVE 8553					DATE	DATE 2-13	
	Start Readings						I END		END READING			Has Shims		OLD GAUGE
	Elange Height	Flange Thicknes		Witness Grove	YES	NO		Flange Height	Flange Thickness	Rim Thickness	Witness Grove	YES	NO	FLANGE THICKNESS MEASUREMENT
L#1	OR	100	29				L#1							0 - on 0 - 1 - 17/64*
L#2	8-26	20-0	2/1/				L#2	0-21	0-0	24				1 - sn 0 - 1 -15/64* 2 - sn 0 - 1 - 7/32* 3 - sn 0 - 1 - 5/32*
L#3	6.00	0-0	24				L#3	2-22	0.0	24				4 - on 0 - 1 - 7/64* 5 - on 0 - 1 - 3/64* 6 - on 0 - 1 - /32*
L#4	0.0	0-0	42				L#4							7 - on 0 - 63/64* 8 - on 0 - 15/16*
L#5							L#5							
L#6							L#6							OLD GAUGE
		ļ												FLANGE HEIGHT
R#1	4-20	0.0	28				R#1	0216	QQ	28				MEASUREMENT 0-on-01°
R#2	6-22	8.0	24				R#2	0-21	0-0	24				0-on-11-1/16* 0-on-21-1/8*
4423	0-20	1 40	26	- JM 95.9(27		Problem Color	R#T:	Proper comment		l de l	the second second	and distriction of the con-	gan de la companya d	0 313 1-205
R#4	020	0-0	48				R#4							0-cn-51-5/16* 0-cn-61-3/8*
R#5							R#5							2-on-61-7/16°
R#6							R#6						-	6-on-61-31/64*
FRA 1 ½' FRA 7/8" FRA 1" FRA 5/16 FLANGE Height FRA 1 ½'' MMA 1 7/16'	MMA 1 MMA 1 MMA 2 MEAR LIMITS Flange THICKNES FRA 7/8" MMA 1 1/3	7/16" 5/16" 1/16" - ROAD & SW S	VITCH LOCO Flange Heigi Flange Thick Rim Thickne Tread Wear VITCH LOCOS – Rim THICKNESS FRA 1" MMA 1 1/8"	ht Kness SS MIN. 92 DAY R			- PASSENGER Flange THICKNESS FRA 7/8"	THICKNESS FRA 1"	DAY REQ Tread WEAR FRA 5/16" MMA 'A'"				FLANGE HEIGHT MEASUREMENT	NEW GAUGE 0-on-171- 1/16' 9-on-1811/36' 0-on-1913/6' 0-on-2011/4' 0-on-211-5/f6' 0-on-221-7/16' 6-on-221-1/3/2' 8-on-221-1/2'
CONVERS	SION CHAF 37"	T FOR WH	EEL DIAMET										*	NEW GAUGE
9=	37 1/8"	16=	37 7/8" 38"		22= 23=	38 ¾" 38 7/8"	29= 30=			40 ½" 40 5/8"			•	0 - on 0 - 1 - 17/64"
10= 11=	37 1/4" 37 3/8"	17= 18=	38 1/8" 38 ½"		24= 25=	39	31=	39 7/8"	38≔ ′	40 %"				1 - on 0 - 1 - 15/64*
12=	37 ½"	19=	38 3/8"		26=	39 1/8" 39 ½"	32= 33=			40 7/8" 41"			FLANGE	2 - en 0 - 1 - 7/32° 3 - en 0 - 1 - 5/32°
13= 14=	37 5/8" 37 ¾"		38 ½" 38 5/8"		27=	39 3/8"	34=	40 1/4"	41=	41 1/8"			THICKNESS	4 - on 0 - 1 - 7/64°
LOCOMOTIV	E RAIL CLEA	RANCE			28=	39 ½"	35=	40 3/8"	42=	41 ¼"			MEASUREMENT	5 on 0 1 3/64*
COUPLEI FRA	MAX 34 ½" MIN 31 ½"	3212	FRA		MAX 6° MIN 3°	1934 1514	OR UNCOUPLI HANDHOLD	PRIZONTAL END I NG LEVER IF USE FRA MIN 30		TAL	ACT OF A PERSONNEL SHOWING STATES	обисть тибромисть т борь и бас	CLEARANCE	6 - on 0 - 1 - 1/32" 7 - on 0 - 63/64" 8 - on 0 - 15/16"
MMA	MAX 34 ½* MIN 32 ½*	152 /2	MMA		MAX 6"	REAR 1/1		PRA MIN 30° MMA MIN 30° FRA MAX 50° MMA MAX 50°				FRA MIN 2 1⁄4' MMA MIN 3'		

WHEEL DIAMETER MEASUREMENTS ARE TAKEN FROM THE TOP OF THE WITNESS GROVE 40" DIAMETER WHEELS WITNESS GROVE = 36" 42" DIAMETER WHEEL WITNESS GROOVE = 38"

WHEEL MATCHING STANDARDS FOR 6 AXLE LOCOMOTIVES (FRA & MMA STANDARDS ARE THE SAME)

% IS THE MAXIMUM VARIATION ALLOWED, IN WHEEL DIAMETER, BETWEEN ANY 2 WHEELS IN THE SAME TRUCK WITHOUT SHIMS 78. IS THE MAXIMUM VARIATION ALLOWED, IN WHEEL DIAMETER, BETWEEN ANY 2 WHEELS IN THE SAME TRUCK WITHOUT SHIMS 1 18" IS THE MAXIMUM VARIATION ALLOWED, IN WHEEL DIAMETER, BETWEEN ANY 2 WHEELS IN THE SAME TRUCK WITH SHIMS APPLIED. 1 18" IS THE MAXIMUM VARIATION ALLOWED. IN WHEEL DIAMETER, BETWEEN ANY 2 WHEELS ON DIFFERENT TRUCKS.

NOTE WHEN FIGURING THE DIFFERENCE IN WHEEL DIAMETER. TO DETERMINE IF SHIMS ARE REQUIRED, YOU MUST USE THE AVERAGE WHEEL DIAMETER FIGURES

WHEN FROMING THE OUTCRESSED IN WHEEL DIPPERENCE TO DESCRIPTION OF EXAMPLE AND THE OUTCRESS OF BOTH SIDES OVER 10 IN DIAMETER DIFFERENCE REQUIRES WHEEL CHANGE OR TRUED. MOTE. ON EMD LOCOMOTIVES

10.5 DIMMETER DIFFERENCE NO SHIMS REQUIRED 6 TO 10 DIAMETER DIFFERENCE ADD APPROPRIATE SHIMS TO BOTH BOXES ON BOTH SIDES OVER 10 IN DIAMETER DIFFERENCE REQUIRES WHEEL CHANGE OR TRUED. MOTE. ON EMD LOCOMOTIVES

USE ONLY ONE X' SHIM EMB PART NUMBER 8455981 SHELLED TREAD AND FLAT SPOTS MUST BE TRUED OR CHANGED WHEN FOUND ON PERIODIC OR UNSCHEDULED MAINTENANCE. KCS CONDEMNING LIMITS FOR SHELLED TREAD ON A SERVICE TRACK

ONE SHELLED SPOT 1' OR GPEATER IN LENSTH. ONE SHELLED SPOT WITH A DEPTH OF X' OR MORE.

EMPLOYEES SIGNATURE

and the same of th	
W(' // .	SUPERVISORS SIGNATURE
de de la companya del la companya de	

pour response	*******	****	-	 	
				 A LANGE AND A PARTY AND THE PA	AND ADDRESS OF THE PARTY OF THE
- 1					

Montreal, Maine, & Atlantic Railway Locomotive

1 mi 8553	
-----------	--

Date 8-7-200

(II;(Date 2 - 2 - 2	
	3 Month Federal Air Work	
,	Inspect and repair air piping and valves for leaks Signature	
2.	Test all air gauges with gauge tester and set if required.	1
3.	With full brake pipe pressure, make a 20lb. reduction, move the cutoff valve to "OUT" position and move the lead – dead valve to "DEAD" position. Brakes remain applied for 5 minutes.	nust
	Cover each trainline hose coupling with hand and test for leakage through valve then apply blank dummy couplings to the trainline hoses on each end of the un open trainline valves. Make a 20lb. reduction with the Automatic, move the cuvalve to "OUT" position and check for brake pipe leakage. Leakage shall not exceed 5 lb. per minute	it and
Che Leal test. 6. I Pres	educe main reservoir pressure to 85 lbs. by draining #2 main reservoir.(*) ck cab gauge for leakage from main reservoirs and piping for 3 minutes. kage must not exceed an average of 3 lb. per minute during the prain #1 main reservoir (*) completely and test check valve between reservoirs. Sure should remain on the main reservoir gauge in the cab as #1 main reservoir.	ì s
dran	ned	1
~		
or re	heck all MU valve handles to ensure the locking devices work properly. Lubri place as ssary	cate
	heck knuckle thrower to make sure it opens the knuckle. Lubricate or repair as	

Note (*) #1 reservoir is without the check valve. # 2 is with the check valve.

Unit:Date: DEFECTS FOUND DURING INSPECTION	This is a south of the south of	
DEFECT 2) COOK Snow Plow Botts on FRONT	INSPECTED BY:	1
REPAIR Lightered	CORRECTED BY-	-
DEFECT 2) creacyed esteps on FRONT, lon left	INSPECTED BY:	ena l
REPAIR REPAIR	CORRECTED BY:	
Condent, Digh Flange	INSPECTED BY:	
REPAIR TRIMMED All High Flanges wrote down gen menurement or w/sheet	CORRECTED BY:	
DEFECT BOTH FINE Extinguist out of date:	INSPECTED BY:	4.
REPAIR Replaced both Fine Ext.	CORRECTED BY: Rossif	Black
DEFECT	INSPECTED BY:	
REPAIR	CORRECTED BY:	