

MM&A 1104 DAY INSPECTION SHEET

LOCATION:

DATE:

LOCOMOTIVE NO.

No.	INSPECT-CHECK	INSPECTOR'S SIGNATURE
	PERFORM ALL 100 SERIES INSPECTIONS AND TESTS WITH LOCOMOTIVE OUTSIDE OF SHOP BUILDING	
100	PERFORM SELF TEST ON ALERTER-EVENT RECORDER. DOWN LOAD EVENT RECORDER. INSURE THAT ALL DATA PARAMETERS ARE BEING RECORDED, VERIFY PROPER TIME AND DATE ON RECORDER.	<i>J. Hartin</i>
101	SELF LOAD UNIT OUTSIDE. RECORD KW, AMPS AND VOLTS	6.5V 2746 HP
102	MANUALLY PULL EACH FUEL PUMP RACK SLIGHTLY AND LISTEN FOR A SHARP WRAP, WHICH INDICATES THAT THE NOZZLE AND CYLINDER ARE MOST LIKELY OPERATING PROPERLY.	
103	CHECK "DID" ON THE BRIGHTSTAR SCREEN. IF FAULT IS DISPLAYED, RECORD ON DEFECT SHEET AND INVESTIGATE THE CAUSE. RUN LOCOMOTIVE SELF TEST IF NEEDED.	<hr/>
104	LISTEN TO DIESEL ENGINE IN IDLE FOR ANY UNUSUAL SOUNDS. MAKE VISUAL INSPECTION WITH ALL DOORS OPEN. LOOK FOR WATER, LUBRICATION AND FUEL LEAKS AND MAKE CORRECTIONS AS NECESSARY.	
105	CHECK ENGINE OIL LEVEL AT IDLE. ADD OIL TO FULL MARK AS NECESSARY. TAKE OIL SAMPLE AFTER RUNNING ENGINE FOR A MINIMUM OF FIVE (5) MINUTES.	
106	CHECK AIR COMPRESSOR OIL LEVEL WITH ENGINE AT IDLE.	
107	CHECK OIL LEVEL IN ALTERNATOR GEAR TRAIN. ADD DIESEL ENGINE OIL AS NEEDED.	<i>D. R. Savier</i>
108	CHECK OPERATION OF WINDOW WIPERS. REPLACE BLADES AS NECESSARY.	
109	CHECK COOLING WATER LEVEL AND WATER TREATMENT CONCENTRATION. ADD TREATED OR CLEAN WATER AND COMPATIBLE WATER TREATMENT COMPOUND AS NEEDED.	
110	CHECK OPERATION OF GROUND RELAY SYSTEM AND LOCK OUT PER GETS MI GEI-83418A.	<i>J. Hartin</i>
111	CHECK EXHAUST MANIFOLD FOR LEAKS, CRACKS OR BROKEN WELDS. REPAIR AS NECESSARY.	<i>D. Black</i>
112	CHECK OPERATION OF ENGINE AIR FILTER PRESSURE SWITCH PER GETS MI GEK-18104.	
113	CHECK OPERATION OF EMERGENCY FUEL TRIPS AND THROTTLE STOPS	

114	CHECK GOVERNOR OVER SPEED SYSTEM TO ENSURE PROPER OPERATION. CHECK GOVERNOR OIL LEVEL AT IDLE.	
115	TEST FLUID AMPLIFIER FOR LEAKAGE PER MI GE K-35899.	
116	INSPECT AND TEST ALL ALARMS, AUTOMATIC CONTROLS AND PROTECTIVE DEVICES	<i>J. Martin</i>
117	RUN MANUAL SELF TEST USING DID PANEL.	<i>J. Martin</i>
118	CHECK AND VERIFY OPERATION OF SPEEDOMETER	
119	ENSURE WATER GOES INTO RADIATOR AND TANK SIGHT GLASS IS LOWER AT APPROX 180 DEGREES ON WATER TANK TEMP GAGE. CHECK COOLING WATER AMPLIFIER FOR LEAKS DURING LOAD BOX TEST.	
120	PERFORM OUTBOUND AIR BRAKE LEAKAGE TESTS AND VERIFY AUTOMATIC AND INDEPENDENT WORK CORRECTLY. APPLY AUTOMATIC BRAKE TO FULL SERVICE POSITION, CUT OUT AIR VALVE, AND VERIFY THAT BRAKE CYLINDERS STAY APPLIED FOR FIVE (5) MINUTES.	
121	APPLY INDEPENDENT BRAKES, MOVE REVERSER TO FORWARD, OPEN THROTTLE AND OBSERVE AMPERAGE ON AMPERAGE METER. RETURN THROTTLE TO IDLE, MOVE REVERSER TO REVERSE, OPEN THROTTLE AND OBSERVE AMPERAGE ON AMPERAGE METER. IF NO AMPERAGE APPEARS, IDENTIFY AND CORRECT PROBLEM.	
122	CHECK OPERATION OF CAB HEATERS AND REFRIGERATOR. MAKE REPAIRS AS NECESSARY.	
200	CHECK THAT ALL ACCESS PANEL HATCHES AND DOORS OF ELECTRICAL EQUIPMENT AND CABINETS ARE IN PLACE AND SECURED AND PROPERLY STENCILED WITH WARNING LABELS	<i>J. Martin</i>
201	CLEAN AND INSPECT CAB. MAKE SURE NO TOOLS OR DEBRIS IS ON THE FLOOR. CLEAN WINDOWS INSIDE AND OUT.	
202	CHECK ALL CIRCUITS FOR GROUNDS, SHORT CIRCUITS AND DAMAGED INSULATION. CLEAN CONTROL EQUIPMENT COMPARTMENTS USING LOW VELOCITY DRY AIR OR A VACUUM CLEANER WITH A SOFT BRUSH	<i>J. Martin</i>
203	INSPECT ELECTRICAL EQUIPMENT POWER CONTACTOR TIPS, ARC CHUTES AND INTERLOCK PLUNGER BOLTS. CHECK FOR BURNED WIRING AND LOOSE OVERHEATED ELECTRICAL	<i>J. Martin</i>

204	INSPECT MASTER CONTROLLER (17KC120), CLEANING CONTACT BRUSH WEAR DUST OR DEBRIS FROM DYNAMIC BRAKE POTENTIOMETER (IF PAINTED GREY VERSION) WITH DRY COMPRESSED AIR.	
205	TEST ALL GAUGES FOR ACCURACY	D. Black
206	INSPECT LOW PRESSURE FUEL HOSE. REPLACE AS NECESSARY.	D. Black
207	INSPECT MAIN ALTERNATOR COMMUTATOR, SLIP RINGS AND BRUSHES. DRESS COMMUTATOR AS NECESSARY. REPLACE (IN SETS ONLY!) CHIPPED, CRACKED OR DAMAGED BRUSHES AND THOSE TOO SHORT TO LAST UNTIL NEXT INSPECTION (IF ALL THREE MARKED LINES ARE NOT VISIBLE, BRUSHES ARE TOO SHORT AND MUST BE REPLACED).	J. Martin
208	INSPECT AUXILIARY ALTERNATOR AND EXCITER COMMUTATOR, SLIP RINGS AND BRUSHES. DRESS COMMUTATOR AS NECESSARY. REPLACE (IN SETS ONLY!) CHIPPED, CRACKED OR DAMAGED BRUSHES AND THOSE TOO SHORT TO LAST UNTIL NEXT INSPECTION. (IF ALL THREE MARKED LINES ARE NOT VISIBLE, BRUSHES ARE TOO SHORT AND MUST BE REPLACED).	J. Martin
209	INSPECT DYNAMIC BRAKE BLOWER MOTORS AND FUEL BOOSTER PUMP MOTOR COMMUTATOR, SLIP RINGS AND BRUSHES. DRESS COMMUTATOR AS NECESSARY. REPLACE (IN SETS ONLY!) CHIPPED, CRACKED OR DAMAGED BRUSHES AND THOSE TOO SHORT TO LAST UNTIL NEXT INSPECTION. (IF ALL THREE MARKED LINES ARE NOT VISIBLE, BRUSHES ARE TOO SHORT AND MUST BE REPLACED).	J. Martin
210	REMOVE CARBON BUILD UP FROM CRANKCASE BREATHER PIPE IN EXHAUST STACK (IF EQUIPPED).	DR Svecic
211	REPLACE FUEL FILTER ELEMENT.	Done see other sheets
212	GREASE AND INSPECT GOVERNOR LINKAGE TO FUEL RACKS FOR PROPER OPERATION. APPLY TORQUE ADAPTER AND CHECK THAT TORQUE REQUIRED TO OPERATE LINKAGE DOES NOT EXCEED 25 FT.-LBS. DRAIN AND REFILL WITH NEW OIL (GE SPEC. D6B17F10, SAE 10W-30 GRADE SF OR BETTER); OPERATE ENGINE FOR FIVE (5) MINUTES TO CIRCULATE OIL, ADD OIL TO PROPER LEVEL WHILE ENGINE IS AT IDLE. CHECK	DR Svecic
213	CHANGE ALL LUBE OIL FILTERS, CLEAN LUBE OIL STRAINER AND TAKE LUBE OIL SAMPLE	Done see other sheets
214	INSPECT ALL FLEXIBLE COUPLINGS. CHECK RUBBER BUSHINGS FOR DETERIORATION, REPLACE AS NECESSARY	DR Svecic

215	INSPECT EXHAUST MANIFOLD, HEAT SHIELDS, SILENCER AND EXHAUST STACK.	DR Saucier
216	CHECK OIL LEVEL OF RADIATOR FAN GEAR BOX. CLEAN FAN BLADES AND MAKE CLOSE VISUAL INSPECTION FOR CRACKS. IF ANY CRACKS ARE FOUND, REPLACE RADIATOR FAN.	DR Saucier
217	REPLACE BAGGIE AIR FILTERS WITH NEW ELEMENTS	Done see other sheets
218	CLEAN EXTERIOR OF AIR COMPRESSOR INTERCOOLER AND INSPECT FOR LEAKAGE. CHECK OPERATION OF UNLOADERS. DRAIN OIL, CLEAN SUMP SCREEN, ADD NEW OIL, (GE SPEC D6B11D3) AND CLEAN FILTER (if applicable). REPLACE INLET AIR FILTERS. REPLACE CMV SYSTEM IN-LINE FILTER	Done see other sheets
219	FREEDOM OF OPERATION	OK DR Saucier
220	INSPECT AND CLEAN ENGINE COALESCER AIR FILTER CARTRIDGE WITH MINERAL SPIRITS	D. Black
221	CLEAN ENGINE ROOM WITH APPROVED CLEANING AGENT. MAKE SURE PLATFORM DRAINS ARE NOT PLUGGED	D. Black
222	INSPECT COOLING SYSTEM FOR OIL AND CORROSION. CLEAN AS NECESSARY (MI 09601) CHECK COOLING WATER LEVEL AND WATER TREATMENT CONCENTRATION. ADD TREATED OR CLEAN WATER AND COMPATIBLE WATER TREATMENT COMPOUND AS NEEDED. REPLACE OR RECONDITION AMOT THERMOSTAT	D. Black
223	CHANGE OUT FUEL INJECTION NOZZLES. TORQUE NUTS IN HIGH PRESSURE LINE TO SPECIFICATION.	_____
224	LUBRICATE EQUIPMENT BLOWER BEARINGS (GE SPEC. D6A2C5)	DR Saucier
300	VISUALLY INSPECT ALL COMPONENTS OF THE CRANK CASE OF DIESEL ENGINE . PRESSURIZE THE COOLING SYSTEM AND BAR THE ENGINE OVER SLOWLY AND INSPECT THE INSIDE OF THE LINERS, BOTTOM OF PISTONS, ROD THRUST FACES ETC.	DR Saucier
301	TAKE AND RECORD CRANKSHAFT LATERAL MEASUREMENT	_____
302	VISUALLY INSPECT ALL CYLINDER INLET PORTS FOR CARBON BUILD UP. IF CARBON THICKNESS APPROACHES 6 MM IN ANY PORT, CLEAN ENTIRE ENGINE.	DRS / D Black
303	CHECK CYLINDER TAPPET CLEARANCE AND ADJUST AS NECESSARY.	DRS / D. Black
304	CLEAN AND QUALIFY FUEL HEATER.	NA
400	INSPECT ENTIRE LOCOMOTIVE FOR LOOSE BOLTS, NUTS AND PIPE JOINTS. TIGHTEN OR REPAIR AS APPROPRIATE.	DR Saucier see defects

401	CLEAN RADIATORS.	OK
402	INSURE THAT SAND BOXES ARE FULL.	Rear needs sand
403	INSPECT ALL HAND RAILS AND RAILINGS TO INSURE THEY ARE STRAIGHT AND SECURE.	D. Black
404	INSPECT ALL LIGHT BULBS TO INSURE THEY ARE OPERATIONAL.	J. Martin
405	CHECK COUPLER HEIGHT (950 MM MIN, 1080 MM MAX, 1050 MM NOMINAL) AND DRAFT GEAR ON BOTH ENDS FOR FREE SLACK (FREE SLACK SHALL NOT EXCEED 13 MM) AND RECORD- FRONT: <u>1/8"</u> REAR: <u>3/16"</u>	Done see other sheets see defect
406	WASH EXTERIOR OF BATTERY TRAYS. INSPECT BATTERIES FOR PROPER ELECTROLYTE LEVEL, FILLING AS NECESSARY, CHECK ALL ELECTRICAL CONNECTIONS, FLUSH AND GREASE TERMINALS AS NEEDED, CHECK AND RECORD SPECIFIC GRAVITY ON BACK OF THIS SHEET.	J. Martin
407	TEST / QUALIFY MU- NUMBER CABLE WITH TESTER	J. Martin
500	PERFORM INTERNAL TRACTION MOTOR INSPECTION. INSPECT ALL VISIBLE INSULATION AND CONNECTIONS ON TRACTION MOTOR LEADS AND CARBODY BOOTS. INSPECT ALL CABLES FOR INDICATIONS OF RUBBING AGAINST OTHER CABLES OR THE BOGIES-ELIMINATE ANY RUBBING. CHECK MOTOR FLEXIBLE AIR DUCTS FOR LEAKS. CHECK FOR LOOSE OR MISSING TRACTION MOTOR COMMUTATOR COVERS. CHECK COMMUTATOR FOR DISCOLORATION AND DAMAGE. CHECK FOR CHIPPED, BROKEN OR DAMAGED BRUSHES. REPLACE BRUSHES IN SETS IF TOO SHORT TO LAST TO NEXT INSPECTION.	J. Martin
501	PERFORM TRACTION MOTOR LUBRICATION INSPECTION. CHECK FOR HEAVY FILM OF LUBRICANT ON GEAR TEETH. IF LOW, FILL TO BOTTOM OF LOWER INSPECTION OPENING (GE SPECIFICATION D50E8C) REPLACE LEAKING OR DEFECTIVE FILLER CAPS. DRAIN OIL FROM TRACTION MOTOR SUPPORT BEARINGS. REMOVE WICK ASSEMBLY. REFILL WITH NEW OIL (GE SPEC D50E14) NOTE: CLEAN DIRT AND DEBRIS FROM WICK, WICK PLATE AND FILL OPENING AREAS PRIOR TO INSPECTION OR FILLING. CHECK FOR SIGNS OF EXCESS HEAT AROUND THE SUPPORT BEARING CAPS AND DIRT SHIELD.	D. Black 1-4- 3-6 comp out 5-6 done 9-22-10-B. Cleary

502	INSPECT WHEELS FOR CRACKS, SHELLED TREADS OR FLAT SPOTS. CHECK FOR PROPER RIM THICKNESS AND MAKE CORRECTIONS AS NECESSARY. COMPLETE WHEEL INSPECTION REPORT.	DR Saucier See Defects
503	DRAIN WASTE OIL RETENTION TANK. INSPECT DRAIN TROUGHS ALONG THE WALKWAYS TO ENSURE DRAIN HOLES ARE NOT PLUGGED.	P. Black
504	CHECK OIL LEVEL IN JOURNAL BOXES (IF APPLICABLE)	DRS timken
505	CHECK TRACTION MOTOR NOSE SUSPENSION FOR DAMAGE, DETERIORATED RUBBER PADS, SEPARATION OF RUBBER FROM STEEL SEPARATORS AND FOR CRACKS IN PARTS OR AT WELDS. RENEW WEAR PLATES WHEN EXCESSIVELY WORN.	DR Saucier
506	INSPECT TRUCK WEAR PLATES FOR PRESENCE, CRACKED WELDS AND EXCESSIVE WEAR. MEASURE PEDESTAL WEAR LINER WEAR AND REPLACE IF WORN TO 11 MM OR LESS. REPLACE AS NECESSARY. INSPECT SHOCK ABSORBERS FOR LEAKING CYLINDERS OR LOOSE MOUNTING HARDWARE. INSPECT TIE BAR BOLTS FOR TIGHTNESS	DR Saucier
507	CHECK GEARCASE BOLTS FOR PROPER SECUREMENT BY GENTLY TAPPING WITH A HAMMER TO DETECT LOOSE BOLTS. IF LOOSE, TORQUE: CASE TO MOTOR-440-495 ft.-lbs., GEARCASE HALVES-185-210 ft.-lbs. REPLACE LEAKING OR DEFECTIVE FILLER CAPS.	DR Saucier See Defects
508	DRAIN FUEL TANK CONDENSATION.	
509	INSPECT TRUCKS FOR LOOSE OR DRAGGING EQUIPMENT. REPAIR AS NEEDED. ENSURE THAT SAND PIPES ARE PROPERLY ALIGNED SO THAT THE SANDERS DEPOSIT SAND ON RAIL IN FRONT OF WHEELS.	DR Saucier see Defects
510	INSPECT BRAKE RIGGING, BRAKE BLOCKS AND SLACK ADJUSTERS FOR EXCESSIVE WEAR. REPLACE BRAKE BLOCKS AS NEEDED. ADJUST SLACK ADJUSTER AS NEEDED FOR PROPER PISTON TRAVEL WHICH MUST NOT EXCEED 150 MM.	DR Saucier
600	PERFORM OUTBOUND SELF LOAD TEST AND RECORD HP, AMPS, VOLTS, BATTERY VOLTS, WATER AND OIL TEMP	PC. J.H.
601	ENSURE WATER GOES INTO RADIATOR AND TANK SITE GLASS IS LOWER AT APPROX 180 DEGREES ON WATER TANK TEMP GAGE	P. Black

602	PERFORM OUTBOUND AIR BRAKE LEAKAGE TESTS AND VERIFY AUTOMATIC AND INDEPENDENT WORK CORRECTLY. APPLY AUTOMATIC BRAKE TO FULL SERVICE POSITION, CUT OUT AIR VALVE, AND VERIFY THAT BRAKE CYLINDERS STAY APPLIED FOR FIVE (5) MINUTES.	
603	APPLY INDEPENDENT BRAKES, MOVE REVERSER TO FORWARD, OPEN THROTTLE AND OBSERVE AMPERAGE ON AMPERAGE METER. RETURN THROTTLE TO IDLE, MOVE REVERSER TO REVERSE, OPEN THROTTLE AND OBSERVE AMPERAGE ON AMPERAGE METER. IF NO AMPERAGE APPEARS, IDENTIFY AND CORRECT PROBLEM.	
604	CHECK SANDERS FOR PROPER OPERATION, COMPRESSOR PICK-UP AND DROP-OUT PRESSURES, AND INSPECT ANY OIL, FUEL OR WATER LEAKS CORRECTED.	
605	RUN AUTO SELF TEST USING DID PANEL.	
606	REVIEW COMMENT AND DEFECT SHEETS AND CORRECT ANY DEFECTS NOT CORRECTED.	
0	SUPERVISOR'S SIGNATURE	

Montreal, Maine, & Atlantic Railway
Locomotive

Unit 3613

Date 9-27-10

3 Month Federal Air Work

Signature

1. Inspect and repair air piping and valves for leaks B. Cherry
2. Test all air gauges with gauge tester and set if required..... D. Black P.C.
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 must remain applied for 5 minutes..... D. Black
4. 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 unit and open trainline valves. Make a 20lb. reduction with the Automatic, move the cutoff valve to "OUT" position and check for brake pipe leakage. Leakage shall not exceed 5 lb. per minute..... D. Black
5. Reduce main reservoir pressure to 85 lbs. by draining #2 main reservoir.(*). Check cab gauge for leakage from main reservoirs and piping for 3 minutes. Leakage must not exceed an average of 3 lb. per minute during the test..... D. Black
6. Drain #1 main reservoir (*) completely and test check valve between reservoirs. Pressure should remain on the main reservoir gauge in the cab as #1 main reservoir is drained..... D. Black
7. Check all MU valve handles to ensure the locking devices work properly. Lubricate or replace as necessary..... B. Cherry
8. Check knuckle thrower to make sure it opens the knuckle. Lubricate or repair as necessary..... B. Cherry

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

Montreal, Maine and Atlantic Railway
12 Month Airwork

Unit Number 3613

Date 9-22-10

1. Test resistance of Electrical Equipment to Ground:
 - a. Hi Voltage System..... J. Martin
 - b. Low Voltage System..... J. Martin
 - c. A/C System..... J. Martin
2. Check Fire Extinguisher..... Paul Coughlin
3. Lubricate Brake Pistons..... B. Charles
4. Measure slack in draft gears & record: Front M. Carly Rear D. Black
5. Change Main Reservoir Relief Valve..... K. Hussey
6. Remove and clean Salem Filters..... P.C.
7. Remove and clean Dirt Filter..... P.C.
8. Check Compressor on/off pressures.....
9. Check Brake Pipe pressures (90lbs.)..... D. Black
10. Check Brake Cylinder Pressure with Auto Application..... D. Black
11. Check Independent Brake Pressure..... D. Black
12. Cut out Compressor Unloader and test Main Reservoir Relief Valve.
(Should pop @ 155psi)..... D. Black
13. Inspect and test Hand Brake..... J. Martin
14. Change Air Compressor oil and Filter (wipe out base)..... P.C. (D. Black refilled with oil)
15. Inspect Air Compressor Rod Bolts, Brgs., and Oil Pump... P.C.
16. Check Oil pressure @ idle and record..... low oil - added 5" oil
17. Change Oil in Dash 7:
 - a. Alternator..... OK
 - b. Fan Drive..... J.R. Suvic
18. Check Engine Adjustments..... J.R. Suvic - / D. Black
19. Clean Air Boxes..... OK D. Suvic
20. Clean Diode Bank in Dash 8's. + 7's..... J. Martin

Comments:

unit no. 343

Date 9-22-70

26 L EQUIPMENT, (UNITS 20-24, 300-303, 40-4305 and 81-80)

- 1. Change Automatic Brake Valve Portion. P.C.
- 2. Change Independent Brake Valve. P.C.
- 3. Change A-1 Charging Cutoff Pilot Valve. P.C.
- 4. Change Control Valve Portion:
 - a. Service Portion. P.C.
 - b. Quick Release Portion. K.H.
- 5. Change P-2-A Application Valve. P.C.
- 6. Change Overspeed Magnet Valve (Salem 816-1). -
- 7. Change Compressor Unloader Magnet Valve. -
- 8. Change Out Compressor Intake Air Filters. P.C.
- 9. Remove and Wash Inertial Air Separators. -
- 10. Change J-relay air valve. P.C.
- 11. Clean Six 2-Way Checks. P.C.
- 12. Change Air Compressor Intake Air Filters. P.C.
- 13. Change Oil in Air Compressor. P.C.
- 14. Change #8 vent valve. P.C.

Comments:

change out² MR shut off valves

Tom Hussey

BRUSH RECORD

UNIT # _____

DATE _____

MAIN ALTERNATOR

POS	1	2	3	4	B	W
9	✓					
10	✓					
11	✓					
12	✓					
1	✓					
2	✓					

SIGNATURE J. Martin

NO. 1 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9	OK				
12					

SIGNATURE J. Martin

NO. 2 TRACTION MOTOR

POS	1	2	3	B	W
3	✓	✓	✓		
6	✓	✓	✓		
9	✓	✓	✓		
12	✓	✓	✓		

SIGNATURE J. Martin

NO. 3 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9	OK				
12					

SIGNATURE J. Martin

NO. 4 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9	OK				
12					

SIGNATURE J. Martin

AUXILIARY GENERATOR

POS	1	2	3	B	W
2					
4	OK				
8	OK				
10					

SIGNATURE J. Martin

NO. 5 TRACTION MOTOR

POS	1	2	3	B	W
3	✓	✓	✓		
6	✓	✓	✓		
9	✓	✓	✓		
12	✓	✓	✓		

SIGNATURE J. Martin

NO. 6 TRACTION MOTOR

POS	1	2	3	B	W
3	✓	✓	✓		
6	✓	✓	✓		
9	✓	✓	✓		
12	✓	✓	✓		

SIGNATURE J. Martin

EXCITER GENERATOR

POS	1	2	3	B	W
2					
4					
8	✓	✓	✓		
10					

SIGNATURE J. Martin

Cab Heaters
~~BY-PASS BRAKING BLOWER MOTORS~~

FUEL PUMP MOTOR

POS	1	B	W
3	✓	✓	
9			

SIGNATURE J. Martin

FRONT

POS	1	B	W
2			
4	✓	✓	
8			
10			

SIGNATURE _____

REAR

POS	1	B	W
2			
4	✓	✓	
8			
10			

SIGNATURE _____

Down load Event Recorder X

Montreal, Maine, & Atlantic Railway
Mechanical Department

Unit Number. _____

Date _____

1. Inspect traction motor wicks and report action

- #1. _____
- #2. _____
- #3. _____
- #4. _____
- #5. _____
- #6. _____

OK ... D. Black

#4. Bad Bolt hole repaired. B.B.

#5. ~~X Camm ... out X~~

drained refilled retap #1-4
wick Box cover hole
changed all gaskets (1-4)

#5, 6, Motors and wheels changed B. Cleary
Wicks boxes full 9-24-10 - D. Black
B. Cleary

B-23, B-39, C-30, GP-7 MO6 INSPECTION



Out Bound Loadtest Electrical/Mechanical

WORKED BY:

ELECTRICAL

VERIFY THE OPERATION OF THE GROUND RELAY
 CHECK FOR LOW VOLTAGE GROUNDS (7 watt bulb)
 WHILE IN THROTTLE 3 LOAD TEST, CHECK FOR AC GROUNDS
 CHECK OPERATION OF:
 A. HEATING
 COMPLETE THE IN-BOUND LOAD TEST SHEETS
 GROUND RELAY-(TEST THREE TIMES TO VERY LOCK-OUT)(DYNAMIC & POWER)
 CHECK THE FOLLOWING FOR PROPER OPERATION:
 A. CREW ALERT
 B. RADIO AND ANTENNA
 C. AXLE ALT. SPEEDO
 D. MU ENGINE SHUTDOWN
 E. FUEL CUT-OFF
 F. TEST WARNING DEVICES

P. Blum / S.I.T.
P. Blum / S.I.T.
P.C. S.I.T.

J. Hart
J. Hart
J. Hart

J. Hart
J. Hart
J. Hart

J. Hart
J. Hart
J. Hart

MECHANICAL

CLEAN AND SERVICE TOILET AND RESTROOM
 DRAIN RETENTION TANK
 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
 CHECK OPERATION OF ENGINE PROTECTION DEVICES:
 A. CRANKCASE PRESSURE
 VISUALLY INSPECT AIR COMPRESSOR FOR WATER, AIR OR OIL LEAKS
 PERFORM MANUAL AIR BRAKE TEST

Paul Anderson
P. Anderson
D. Black
D. Black
D. Black
D. Black
D. Black
D. Black
D. Black

Verify Flow Gauge
 130 main reservoir is 64 + or - 3,
 reservoir is 60 + 0

NOTE: 120-130-140 main

PERFORM PENALTY BRAKE TEST
 CHECK FOR CORRECT AIR PRESSURE SETTINGS:
 A. MAIN RESERVOIR (130 - 140 PSI)
 B. BRAKE PIPE (90 PSI)
 C. EQUALIZING RESERVOIR (90 PSI)
 D. BRAKE CYLINDER (72 - 74 PSI)
 E. COMPRESSOR CONTROL (130 - 140 PSI +/-5 PSI)

D. Black

D. Black
D. Black
D. Black
J. Hart

CHECK FLUID LEVELS BEFORE LOADING:
 A: ENGINE OIL
 B: COOLING WATER
 C: AIR COMPRESSOR OIL

low
low
oil spray added 5"
added 5"
in black

TEST OPERATION OF THE FOLLOWING DEVICES:
 A. BELL
 B. SANDERS (FORWARD, REVERSE, EMERGENCY)
 C. RADIATOR SHUTTERS

D. Black
D. Black



B-23, B-39, C-30, GP-7 MO6 INSPECTION

ELECTRICAL IN HOUSE

WORKED BY:

COMPLETE THE BATTERY MAINTENANCE SHEET PER JSP-010	J. Hartin
CHECK DIODES AND FUSES IN THE MAIN GENERATOR. REPLACE AS NECESSARY	J. Hartin
INSPECT ALL WIRING ON THE MAIN GENERATOR TERMINAL BOARD. REPAIR ANY LUGS THAT ARE OVERHEATED.	J. Hartin
CHECK AND CHANGE "IF NEEDED" THE BRUSHES ON THE FOLLOWING EQUIPMENT:	
GRID BLOWER MOTORS	
SOAK BACK MOTORS	
AUXILLARY GENERATOR	
SLIP RING BRUSHES, EXCITER MOTOR	J. Hartin
CHANGE FUEL PUMP MOTOR BRUSHES	J. Hartin
INSPECT CAB HEATERS AND CHANGE MOTOR BRUSHES AS NECESSARY	J. Hartin
CAB ELECTRICAL	
DOWNLOAD EVENT RECORDER	J. Hartin
CHECK & RECORD THE DATE ON HEAD END DEVICE <u>8-19-10</u>	J. Hartin
CHECK AND CHANGE "IF NEEDED" THE BRUSHES ON THE FOLLOWING EQUIPMENT:	
CHECK GENERATOR AND ELECTRIC CABINET COVERS TO ENSURE THEY HAVE LEGIBLE "DANGER" STICKERS	P. Pappas
CHECK CAB STICKERS TO ENSURE THAT THEY ARE LEGIBLE (DANGER 600 VOLTS) (FRA 223 GLAZING) ETC.	P. Pappas
ENSURE DYNAMIC BRAKE HATCH DOORS ARE SECURED PROPERLY AND HAVE LEGIBLE "DANGER" STICKERS.	P. Pappas
CHECK THE FOLLOWING EQUIPMENT AND THEIR RELATED GUARDS AND LENSES FOR PROPER OPERATION:	
AUXILLARY GENERATOR	J. Hartin
SLIP RING BRUSHES, EXCITER MOTOR	J. Hartin
ALT. DIODE BANK	J. Hartin
INSPECT BOTH STARTER SERIAL NUMBERS. IF ANY STARTER IS WITHIN 3 MONTHS OF BEING 3 YEARS OLD, PLEASE CHANGE THE STARTER. TOP STARTER SN _____ BOTTOM STARTER SN _____ DID EITHER STARTER GET REPLACED? YES NO	NOTE: MMA 758 ONLY N/A
APPLY A THIN COAT OF THE SAE NO. 10 OIL TO THE FOLLOWING STARTER COMPONENTS	
A. ARMATURE SHAFT SPLINES	N/A
B. CLUTCH ASSEMBLY SPIRAL SPLINES AND MATING GEAR SPLINES	N/A
FRONT AND REAR HEADLIGHTS, DITCH LIGHTS, CAB LIGHTS, GAUGE LIGHTS, NUMBER PLATES, PLATFORM LIGHTS, ENGINE ROOM LIGHTS, INDICATOR LIGHTS	P. Pappas
CHECK CONTROLLER FOR PROPER OPERATION OF REVERSER AND THROTTLE HANDLE LOCKING DEVICES	J. Hartin
CHECK EMERGENCY FUEL SHUT-OFF FROM ALL LOCATIONS	J. Hartin
TRACTION MOTORS AND UNDERFRAME	
INSPECT AXLE GENERATOR AND ENSURE ALL COVER BOLTS ARE IN PLACE AND TIGHT	J. Hartin
CLEAN AND CHECK THE TRACTION MOTOR LEADS, CLAMPS, VERIFY NO LEADS ARE RUBBING ON THE FRAME	J. Hartin
CHANGE ANY TRACTION MOTOR BRUSH WITH LESS THAN 50% LIFE LEFT	J. Hartin
INSPECT TRACTION MOTOR COVERS AND ENSURE BOLTS ARE IN PLACE AND TIGHT	J. Hartin
ENSURE TRACTION GROUND WIRES ARE IN PLACE AND PROPERLY SECURED	J. Hartin
CLEAN FACE PLATE ON RADAR TRANSCEIVER	N/A
CHECK M.U. RECEPTACLE AND LIDS. MAKE NECESSARY REPAIRS	J. Hartin
MAKE SURE M.U. CABLES DO NOT FOUL COUPLERS	P. Pappas