

8541

MM&A 368 DAY INSPECTION SHEET

PAGE 1 of 4

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.	J. Martin
101	SELF LOAD UNIT OUTSIDE. RECORD KW, AMPS AND VOLTS	- DONE ON OUTBOUND -
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.	[Signature]
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.	[Signature]
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.	[Signature]
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.	[Signature]
106	CHECK AIR COMPRESSOR OIL LEVEL WITH ENGINE AT IDLE.	[Signature]
107	CHECK OIL LEVEL IN ALTERNATOR GEAR TRAIN. ADD DIESEL ENGINE OIL AS NEEDED.	- N A -
108	CHECK OPERATION OF WINDOW WIPERS. REPLACE BLADES AS NECESSARY.	DR
109	CHECK COOLING WATER LEVEL AND WATER TREATMENT CONCENTRATION. ADD TREATED OR CLEAN WATER AND COMPATIBLE WATER TREATMENT COMPOUND AS NEEDED.	[Signature]
110	CHECK OPERATION OF GROUND RELAY SYSTEM AND LOCK OUT PER GETS MI GEI-83418A.	[Signature]
111	CHECK EXHAUST MANIFOLD FOR LEAKS, CRACKS OR BROKEN WELDS. REPAIR AS NECESSARY.	[Signature]
112	CHECK OPERATION OF ENGINE AIR FILTER PRESSURE SWITCH PER GETS MI GEK-18104.	[Signature]
113	CHECK OPERATION OF EMERGENCY FUEL TRIPS AND THROTTLE STOPS	[Signature]

114	CHECK GOVERNOR OVER SPEED SYSTEM TO ENSURE PROPER OPERATION. CHECK GOVERNOR OIL LEVEL AT IDLE.	<i>[Signature]</i>
115	TEST FLUID AMPLIFIER FOR LEAKAGE PER MI GE K-35899.	<i>[Signature]</i>
116	INSPECT AND TEST ALL ALARMS, AUTOMATIC CONTROLS AND PROTECTIVE DEVICES	<i>[Signature]</i>
117	RUN MANUAL SELF TEST USING DID PANEL.	<i>[Signature]</i>
118	CHECK AND VERIFY OPERATION OF SPEEDOMETER	<i>[Signature]</i>
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.	<i>[Signature]</i>
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.	<i>[Signature]</i>
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.	<i>[Signature]</i> -DONE ON OUTBOUND-
122	CHECK OPERATION OF CAB HEATERS AND REFRIGERATOR. MAKE REPAIRS AS NECESSARY.	<i>[Signature]</i>
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>[Signature]</i>
201	CLEAN AND INSPECT CAB. MAKE SURE NO TOOLS OR DEBRIS IS ON THE FLOOR. CLEAN WINDOWS INSIDE AND OUT.	<i>[Signature]</i>
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	HV - OK LV - OK J. Hartin
203	INSPECT ELECTRICAL EQUIPMENT POWER CONTACTOR TIPS, ARC CHUTES AND INTERLOCK PLUNGER BOLTS. CHECK FOR BURNED WIRING AND LOOSE OVERHEATED ELECTRICAL	J. Hartin

204	INSPECT MASTER CONTROLLER (17KC120), CLEANING CONTACT BRUSH WEAR DUST OR DEBRIS FROM DYNAMIC BRAKE POTENTIOMETER (IF PAINTED GREY VERSION) WITH DRY COMPRESSED AIR.	J. Hartin
205	TEST ALL GAUGES FOR ACCURACY	J. Hartin
206	INSPECT LOW PRESSURE FUEL HOSE. REPLACE AS NECESSARY.	J. Hartin
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. Hartin
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. Hartin
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. Hartin
210	REMOVE CARBON BUILD UP FROM CRANKCASE BREATHER PIPE IN EXHAUST STACK (IF EQUIPPED).	J. Hartin
211	REPLACE FUEL FILTER ELEMENT.	J. Hartin
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.	J. Hartin
213	CHANGE ALL LUBE OIL FILTERS, CLEAN LUBE OIL STRAINER AND TAKE LUBE OIL SAMPLE	J. Hartin
214	INSPECT ALL FLEXIBLE COUPLINGS. CHECK RUBBER BUSHINGS FOR DETERIORATION, REPLACE AS NECESSARY	J. Hartin
215	INSPECT EXHAUST MANIFOLD, HEAT SHIELDS, SILENCER AND EXHAUST STACK.	J. Hartin

J. Hartin
J. Hartin

J. Hartin / SEE DEFECT SHEET

216	CHECK OIL LEVEL OF RADIATOR FAN GEAR BOX	-NA-
217	REPLACE BAGGIE AIR FILTERS WITH NEW ELEMENTS	O.K. J. Anderson
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 J. Black (RS)
219	FREEDOM OF OPERATION	J. Anderson
220	INSPECT AND CLEAN ENGINE COALESCER AIR FILTER CARTRIDGE WITH MINERAL SPIRITS	Lead Spikes
221	CLEAN ENGINE ROOM WITH APPROVED CLEANING AGENT. MAKE SURE PLATFORM DRAINS ARE NOT PLUGGED	DRM
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	DRM
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.	DRM
301	TAKE AND RECORD CRANKSHAFT LATERAL MEASUREMENT	DRM
400	INSPECT ENTIRE LOCOMOTIVE FOR LOOSE BOLTS, NUTS AND PIPE JOINTS. TIGHTEN OR REPAIR AS APPROPRIATE.	J. McCann
401	CLEAN RADIATORS.	DRM
402	INSURE THAT SAND BOXES ARE FULL.	JAM
403	INSPECT ALL HAND RAILS AND RAILINGS TO INSURE THEY ARE STRAIGHT AND SECURE.	J. McCann
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>34 1/32</u> REAR: <u>34 1/32</u>	D. Black

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.	F - Low - 32.4V R - Good - 33.4V J. Martin
407	TEST / QUALIFY MU JUMPER CABLE WITH TESTER PERFORM INTERNAL TRACTION MOTOR	<hr/>
500	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 PERFORM TRACTION MOTOR LUBRICATION	J. Martin
501	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 See defect
502	INSPECT WHEELS FOR CRACKS, SHELLS, TREADS OR FLAT SPOTS. CHECK FOR PROPER RIM THICKNESS AND MAKE CORRECTIONS AS NECESSARY. COMPLETE WHEEL INSPECTION REPORT.	D Black
503	DRAIN WASTE OIL RETENTION TANK. INSPECT DRAIN TROUGHS ALONG THE WALKWAYS TO ENSURE DRAIN HOLES ARE NOT PLUGGED.	D Black
504	CHECK OIL LEVEL IN JOURNAL BOXES (IF APPLICABLE)	Trunk

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 <u>WEAR PLATES</u> WHEN EXCESSIVELY WORN.	1.3.7 D. Black #77TM WEAR plate broken weld
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	D. Black
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.	D. Black see defect
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.	D. Black
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.	D. Black
600	PERFORM OUTBOUND SELF LOAD TEST AND RECORD HP, AMPS, VOLTS, BATTERY VOLTS, WATER AND OIL TEMP	<i>[Signature]</i> BATTERY 73V OIL @ 83°F WATER @ 85°F
601	ENSURE WATER GOES INTO RADIATOR AND TANK SITE GLASS IS LOWER AT APPROX 180 DEGREES ON WATER TANK TEMP GAGE	<i>[Signature]</i>
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.	D. Kelly

AMPS 3760
VOLTS 704
H.P. 3078

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.	<i>[Signature]</i>
604	CHECK SANDERS FOR PROPER OPERATION, COMPRESSOR PICK-UP AND DROP-OUT PRESSURES, AND INSPECT ANY OIL, FUEL OR WATER LEAKS CORRECTED.	<i>[Signature]</i>
605	RUN AUTO SELF TEST USING DID PANEL.	<i>[Signature]</i>
606	REVIEW COMMENT AND DEFECT SHEETS AND CORRECT ANY DEFECTS NOT CORRECTED.	<i>[Signature]</i>
0	SUPERVISOR'S SIGNATURE	<i>[Signature]</i>

607/- CHECK AIR BOXES - AIR BOXES NEEDED TO BE CLEANED -
 JAM/ID BLACK

MONTICELLI, MAINE, ATLANTIC RAILWAY
BRUSH RECORD

UNIT # _____

MAIN ALTERNATOR

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

SIGNATURE J. Martin

AUXILIARY GENERATOR

POS	1	2	3	B	W
2					
4					
8					
10					

SIGNATURE _____

EXCITER GENERATOR

POS	1	2	3	B	W
2					
4					
8					
10					

SIGNATURE _____

FUEL PUMP MOTOR

POS	1	B	W
3			
9			

SIGNATURE Brushless

NO. 1 TRACTION MOTOR
69608 AG 6800

POS	1	2	3	B	W
3					
6		OK			
9					
12					

SIGNATURE J. Martin

NO. 2 TRACTION MOTOR
8811848 AG 6800

POS	1	2	3	B	W
3					
6		OK			
9					
12					

SIGNATURE J. Martin

NO. 3 TRACTION MOTOR
70599869 AG 6800

POS	1	2	3	B	W
3					
6		OK			
9					
12					

SIGNATURE J. Martin

NO. 4 TRACTION MOTOR
50756568 AG 6800

POS	1	2	3	B	W
3					
6		OK			
9					
12					

SIGNATURE J. Martin

L. Cab heater

POS	1	2	3	B	W
3					
6					
9		OK			
12					

SIGNATURE J. Martin

R. Cab heater

POS	1	2	3	B	W
3					
6					
9		OK			
12					

SIGNATURE J. Martin

DYNAMIC BRAKING BLOWER MOTORS

FRONT

POS	1	B	W
2			
4			
8		OK	
10			

SIGNATURE J. Martin

REAR

POS	1	B	W
2			
4			
8		OK	
10			

SIGNATURE J. Martin

Montreal, Maine and Atlantic Railway
12 Month Airwork

Unit Number 8541

Date 6-28-10

1. Test resistance of Electrical Equipment to Ground:
 - a. Hi Voltage System..... J. Hartz
 - b. Low Voltage System..... J. Hartz
 - c. A/C System... LMAO..... Done
2. Check Fire Extinguisher..... K. Emery
3. Lubricate Brake Pistons..... J. Black
4. Measure slack in draft gears & record: Front 1/32 Rear 1/32 D. Black
5. Change Main Reservoir Relief Valve..... K. Emery
6. Remove and clean Salem Filters..... K. Emery
7. Remove and ^{Change} ~~clean~~ Dirt Filter..... K. Emery
8. Check Compressor on/off pressures.....
9. Check Brake Pipe pressures (90lbs.).....
10. Check Brake Cylinder Pressure with Auto Application.....
11. Check Independent Brake Pressure.....
12. Cut out Compressor Unloader and test Main Reservoir Relief Valve.
(Should pop @ 155psi).....
13. Inspect and test Hand Brake..... K. Emery
14. Change Air Compressor oil and Filter (wipe out base)..... J. Black
15. Inspect Air Compressor Rod Bolts, Brgs., and Oil Pump... J. Black / Refilled Base 6-29-10
JB
16. Check Oil pressure @ idle and record.....
17. Change Oil in Dash 7:
 - a. Alternator..... [Signature]
 - b. Fan Drive..... [Signature]
18. Check Engine Adjustments..... J. Black / D. Black
19. Clean Air Boxes..... J. Black / D. Black J. Black
20. Clean Diode Bank in Dash 8's..... J. Hartz

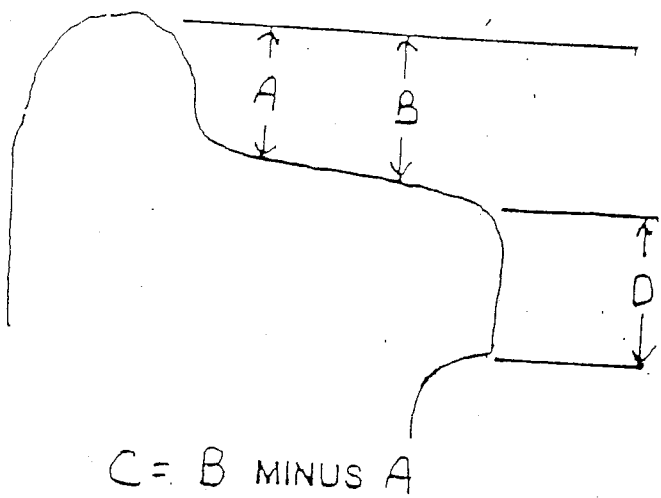
Comments: Compression Test Done

MONTREAL, MAINE AND ATLANTIC RAILWAY
 Quarterly Mechanical Maintenance

Unit _____

Date _____

REPORT SHEET
 WHEEL, COUPLER and SIDE BEARING



COUPLER (31.5" to 34.5") FRONT	HEIGHT REAR	MACHINIST
34	34	D. Black
SIDE BEARING CLR. (total 3/16"-1/2")		MACHINIST
R. F. 1/8	L. F. 1/8	D. Black
R. R. 3/8	L. R. 1/8	
PILOT HEIGHT (min. 3" - max. 6") FRONT		MACHINIST
5 3/4	REAR 5 1/2	D. Black

WHEEL	RIGHT SIDE				LEFT SIDE				NOSE SUSPENS. CLEARANCE
	A	B	C	D	A	B	C	D	
NO. 1	1.08	1.07	1	3.16	1.07	1.07	1	3.16	1/4
NO. 2	1.07	1.07	1	2.20	1.07	1.06	1	2.18	1/2
NO. 3	1.13	1.10	1	3.12	1.10	1.09	1	3.12	1/4
NO. 4	1.08	1.07	1	2.16	1.07	1.08	1	2.18	1/4

MACHINIST: D. Black

- Condemning limit at "C" , Tread worn hollow 5/16" Road units.
- Condemning limit at "A" , High flange 1-1/2" All units.
- Inspect all wheels for thin flanges (15/16" min.)
- Inspect all wheels for flat and shell spots.
- Inspect Front and rear draft gears and couplers.
- Inspect support brgs., caps, and gear cases for cracks.

REPORT ALL DEFECTS AND NEAR DEFECTS TO FOREMAN

FRACTIONAL MEASUREMENTS TO BE IN 32nds"
 ONLY CORRECT MEASUREMENTS ARE USEFUL

Comments:

Montreal, Maine, & Atlantic Railway
Mechanical Department

Unit Number. _____

Date _____

1. Inspect traction motor wicks and report action

#1. _____

#2. _____

#3. _____

#4. _____

#5. _____

#6. _____

See notes

OK *D. Black*

Montreal, Maine, & Atlantic Railway
Locomotive

Unit 8541

Date 6-29-10

3 Month Federal Air Work

Signature

1. Inspect and repair air piping and valves for leaks DRH
2. Test all air gauges with gauge tester and set if required..... DRH
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..... DRH
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..... DRH
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..... DRH
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..... DRH
7. Check all MU valve handles to ensure the locking devices work properly. Lubricate or replace as necessary..... [Signature]
8. Check knuckle thrower to make sure it opens the knuckle. Lubricate or repair as necessary..... [Signature]

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

DEFECT	CORRECTIVE ACTION TAKEN	SIGNATURE
Oil Filter Cover Cracked Leaks Around Weld	Repaired Cover	J. Black
DFO panel latch loose	resecured latch	J. Martin
Speedo Broken B/O	Repaired B/O wiring	J. Martin
Top Plate Missing weld Spring pack	Repaired Plates	D. R. H.
L-4-R-2 cracked Brake shoes	repaired New Shoe	D. Clark
#T.M. Top Gear case bolts missing	replaced New Bolts	A. Black
Front battery Low gravity		D. R. H.
Engine Room & Compressor Room USED WASH JOB		D. R. H.
Compressor crank case breather plugged	Rebuilt valve	J. Black
R-3 PA test cocks no handle	changed out w/used w/new seal	J. Black
Fire Ext in cab expired	changed out w/fresh charged unit	J. Black

Inspector: _____ Time: _____

Time and Date Ok'd For Service: _____

The above work has been performed, except as noted, and the report is approved.

Signature: _____ Occupation: _____

Foreman in Charge



Quantum Desktop Playback

Manufacturer is QEI Version # S45E
Serial Number is 0204070094
Customer is MMAR

Data was removed on - 13:07:30 on 06/28/10
Last Downloaded on - 11:22:00 on 03/17/10
Battery was installed on - 06/29/04
Locomotive Number is - 8541

Downloaded by - jh
Location - derby
Train - 234
Wheel Size Entry - 39
Wheel Size used by program:
Circumference = 122.5 Diameter = 39.0
No memo present.

Wheel size used for printout is 122.52

QDP Version V



Quantum Desktop Playback
Data Scan Report

Report Date: 06-28-2010
Locomotive 8541

Data Removed on 06-28-10

SPEED (MPH)	OK
TRACTION MOTOR CURRENT	OK
BRAKE PIPE PRESSURE	Never above 20.
INDEPENDENT BRAKE	OK
END-OF-TRAIN PSI	Never above 20.
EP BRAKE REQUESTED	Never ON/ACTIVE
THROTTLE	Stop never reported. Low Idle never reported.
REVERSE	OK
EIE	OK
PCS	OK
HORN	OK
EOT MOVING	Never ON/ACTIVE
EOT MSG. JUST RX	Never ON/ACTIVE
EOT LIGHT	Never ON/ACTIVE
EP OPERATING MODE	Never ON/ACTIVE
EP PENALTY BRAKE	Never ON/ACTIVE
EP ENGINEER EMERGENCY	Never ON/ACTIVE