

MM&A 368 DAY INSPECTION SHEET

LOCATION: Derby

DATE: 1.5.07

LOCOMOTIVE NO. 5023

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>[Signature]</i> Downloaded Printed Filed
101	SELF LOAD UNIT OUTSIDE. RECORD KW, AMPS AND VOLTS	
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.	-NA-
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>[Signature]</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.	Dave
110	CHECK OPERATION OF GROUND RELAY SYSTEM AND LOCK OUT PER GETS MI GEI-83418A.	
111	CHECK EXHAUST MANIFOLD FOR LEAKS, CRACKS OR BROKEN WELDS. REPAIR AS NECESSARY.	
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	
117	RUN MANUAL SELF TEST USING DID PANEL.	- NA -
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	FOSTER
201	CLEAN AND INSPECT CAB. MAKE SURE NO TOOLS OR DEBRIS IS ON THE FLOOR. CLEAN WINDOWS INSIDE AND OUT.	RP
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	see defect sheet
203	INSPECT ELECTRICAL EQUIPMENT POWER CONTACTOR TIPS, ARC CHUTES AND INTERLOCK PLUNGER BOLTS. CHECK FOR BURNED WIRING AND LOOSE OVERHEATED ELECTRICAL	M MARQUIS
	Dump, Clean, & Refill Toilet	Done

↓  
see defects

204	INSPECT MASTER CONTROLLER (17KC120), CLEANING CONTACT BRUSH WEAR DUST OR DEBRIS FROM DYNAMIC BRAKE POTENTIOMETER (IF PAINTED GREY VERSION) WITH DRY COMPRESSED AIR.	<i>D</i>
205	TEST ALL GAUGES FOR ACCURACY	<i>Don't</i>
206	INSPECT LOW PRESSURE FUEL HOSE. REPLACE AS NECESSARY.	<i>Dave</i>
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).	<i>D</i>
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).	<i>D</i>
209	INSPECT <del>DYNAMIC BRAKE BLOWER MOTORS</del> <del>AND FUEL BOOSTER PUMP MOTOR</del> 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).	<i>D</i>
210	REMOVE CARBON BUILD UP FROM CRANKCASE BREATHER PIPE IN EXHAUST STACK (IF EQUIPPED).	<i>RB</i>
211	REPLACE FUEL FILTER ELEMENT.	<i>RB</i>
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.	<i>RB</i>
213	CHANGE ALL LUBE OIL FILTERS. CLEAN LUBE OIL STRAINER AND TAKE LUBE OIL SAMPLE	<i>RB</i>
214	INSPECT ALL FLEXIBLE COUPLINGS. CHECK RUBBER BUSHINGS FOR DETERIORATION, REPLACE AS NECESSARY	<i>RB</i>
215	INSPECT EXHAUST MANIFOLD, HEAT SHIELDS, SILENCER AND EXHAUST STACK.	<i>RB</i>

216	CHECK OIL LEVEL OF RADIATOR FAN GEAR BOX	Replaced with 40 <sup>W</sup> engine
217	REPLACE BAGGIE AIR FILTERS WITH NEW ELEMENTS	Done
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
219	FREEDOM OF OPERATION	Dave
220	INSPECT AND CLEAN ENGINE COALESCER AIR FILTER CARTRIDGE WITH MINERAL SPIRITS	
221	CLEAN ENGINE ROOM WITH APPROVED CLEANING AGENT. MAKE SURE PLATFORM DRAINS ARE NOT PLUGGED	Dave
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	Dave
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.	CS 1-8 Dave
301	TAKE AND RECORD CRANKSHAFT LATERAL MEASUREMENT	035 Dave
400	INSPECT ENTIRE LOCOMOTIVE FOR LOOSE BOLTS, NUTS AND PIPE JOINTS. TIGHTEN OR REPAIR AS APPROPRIATE.	10 bolts
401	CLEAN RADIATORS.	
402	INSURE THAT SAND BOXES ARE FULL.	OK TTB
403	INSPECT ALL HAND RAILS AND RAILINGS TO INSURE THEY ARE STRAIGHT AND SECURE.	Dave
404	INSPECT ALL LIGHT BULBS TO INSURE THEY ARE OPERATIONAL.	WHL
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: 1/16" REAR: 1/16"	Dave

40<sup>W</sup> engine  
10 bolts

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.	FOSTER
407	TEST / QUALIFY MU JUMPER CABLE WITH TESTER <del>PERFORM INTERNAL TRACTION MOTOR</del>	MFA
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. <del>PERFORM TRACTION MOTOR LUBRICATION</del>	M MARQUIS
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.	Norm DID IT
502	INSPECT WHEELS FOR CRACKS, SHELLED TREADS OR FLAT SPOTS. CHECK FOR PROPER RIM THICKNESS AND MAKE CORRECTIONS AS NECESSARY. COMPLETE WHEEL INSPECTION REPORT.	Dave
503	DRAIN WASTE OIL RETENTION TANK. INSPECT DRAIN TROUGHS ALONG THE WALKWAYS TO ENSURE DRAIN HOLES ARE NOT PLUGGED.	Dave
504	CHECK OIL LEVEL IN JOURNAL BOXES (IF APPLICABLE)	Dave

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.	Dave
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.	Dave
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.	Dave
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.	Dave
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.	Dave
600	PERFORM OUTBOUND SELF LOAD TEST AND RECORD HP, AMPS, VOLTS, BATTERY VOLTS, WATER AND OIL TEMP	
601	ENSURE WATER GOES INTO RADIATOR AND TANK SITE GLASS IS LOWER AT APPROX 180 DEGREES ON WATER TANK TEMP GAGE	Vince
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.	Vince

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>J. Blau</i>
605	RUN AUTO SELF TEST USING DID PANEL.	NA
606	REVIEW COMMENT AND DEFECT SHEETS AND CORRECT ANY DEFECTS NOT CORRECTED.	
0	SUPERVISOR'S SIGNATURE	

Montreal, Maine, & Atlantic Railway

Defect Sheet

Date 1/8/07

Defect	Corrective Action	Signature
TM FILTERS		
LOWER HATCHES		
WARM AIR DOORS	All open	✓ P. Bouche
OVERSPEED SCREEN	Replaced with New one	P. Bouche
CLEAN AIR BOXES	inspected - not too dirty (MPG)	
AUTO DRAINS		
CRANKCASE PRESS. SW.		
MODESTY LOCKS		
CRANKCASE BREATHER	cleaned	P. Bouche
PRE-HEATER HOSES		
BATTERIES	Secured loose cables.	FOSTER
BONDED DRIVES	✓ Alignment - OK	P. Bouche
SEATS - CHECK	✓ OK greased post	P. Bouche
PIN RACKS	✓	Done
GREASE EQUIP BLOWER	Greased	P. Bouche
FUEL SPILL KITS	✓ OK	P. Bouche
SANDERS 4 CORNERS		
EVENT RECORDERS	Installed.	FOSTER
STRETCHERS	✓ OK	T.M.
TOILET - WORKING.	Replaced w/MPG pump	P. Bouche
27 FT. Plow MOD		
REFRIGERATOR		
PILLOW BLOCK BEARINGS		
FIRST AID KITS	✓ OK	P. Bouche
CONT. AIR Comp Motors	NA	
CMR SENTRY TEST		
OVERSPEED LINKS		
HEATERS	Blown out w/comp. air changed 1 brush	Dave
BRAKE CYL. CUPS.	✓	Dave
WRENCH, HAMMER, HOSES.	✓ OK	P. Bouche
HAND BRAKE EMER. REL.	✓ OK	
Unit Number 5023		



MONTECAL, MAINE, ATLANTIC RAILWAY  
BRUSH RECORD

UNIT # 5023

DATE 1/6/07

MAIN ALTERNATOR

POS	1	2	3	4	B	W
9	<del>X</del>	<del>X</del>				✓
10	OK					
11	<del>X</del>	<del>X</del>				✓
12	OK					
1	<del>X</del>	<del>X</del>				✓
2	OK					

SIGNATURE [Signature]

NO. 1 TRACTION MOTOR

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

SIGNATURE M MARQUIS

NO. 2 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE M MARQUIS

AUXILIARY GENERATOR

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

SIGNATURE [Signature]

NO. 3 TRACTION MOTOR

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

SIGNATURE M MARQUIS  
2 - BROKEN BRUSHES

NO. 4 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE M MARQUIS

EXCITER GENERATOR

POS	1	2	3	B	W
2					
4	OK				
8					
10					

SIGNATURE [Signature]

NO. 5 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE M MARQUIS

NO. 6 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE M MARQUIS

DYNAMIC BRAKING BLOWER MOTORS

FRONT

POS	1	B	W
2	N/A		
4	N/A		
8			
10			

SIGNATURE \_\_\_\_\_

REAR

POS	1	B	W
2	N/A		
4	N/A		
8			
10			

SIGNATURE \_\_\_\_\_

FUEL PUMP MOTOR

POS	1	B	W
3	OK		
9	OK		

SIGNATURE [Signature]

Montreal, Maine & Atlantic Railway  
 LOCOMOTIVE & CAR WHEEL REPORT

DIMP

Loco or Car Initial & Number MMA 5023

Date of inspection 1.8.07

Location of inspection Derby, Maine

Inspector's Name Dave Saucier  
 (Check One)

Inbound Inspection	Outbound Inspection
	✓

Left Side

Right Side

Flange Thickness	Flange Thickness	Flange Height	Location	Flange Thickness	Flange Thickness	Flange Height	Motor Type	MOSE Checkmark
<del>1.10</del>	1.14	2 3/8"		<del>1.13</del>	1.13	2 3/8"		1/8"
<del>1.13</del>	1.12	2 1/2"	2	1.12	1.13	2 1/2"		3/16"
1.08	1.10	1 7/8"	3	1.08	1.10	1 7/8"		3/16"
1.08	1.10	2"	4	1.08	1.09	2"		1/8"
<del>1.11</del>	1.11	2 3/8"	5	1.12	1.10	2 5/16"		1/8"
<del>1.13</del>	1.12	2 7/16"	5	1.12	1.12	2 9/16"		3/16"

Coupler Height (minimum 31.5" maximum 31.5")

Front	33"	Rear	33"
-------	-----	------	-----

Pilot Height (minimum 3" maximum 6")

Front	5"	Rear	5 3/8"
-------	----	------	--------

Side Bearing Clearance (total to be between 3/16" & 1/2")

Left Front	1/8"	Right Front	1/16"	Left Rear	3/16"	Right Rear	1/8"
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CUT 1, 2, 6  
 J Black  
 1-10-07

Montreal, Maine, & Atlantic Railway  
Mechanical Department

Unit Number. 5023

Date 1-8-07

1. Inspect traction motor wicks and report action

- |     |            |     |             |
|-----|------------|-----|-------------|
| #1. | <u>OK,</u> | ... | <u>Norm</u> |
| #2. | <u>OK,</u> | ... | <u>Norm</u> |
| #3. | <u>OK,</u> | ... | <u>Norm</u> |
| #4. | <u>OK</u>  | ... | <u>Norm</u> |
| #5. | <u>OK</u>  | ... | <u>Norm</u> |
| #6. | <u>OK</u>  | ... | <u>Norm</u> |

Bangor and Aroostook System  
Locomotive  
Quarterly Mechanical Maintenance

Unit 5026

Date 1-9-07

3 Month Federal Air Work

=> 26-L Air Brake System <=

Signature

Ames

Ames

Ames

Ames

Ames

Ames

1. Inspect and repair air piping and valves for leaks. ....
2. Test all air gauges with Gauge tester and set if required. ....
3. With full brake pipe pressure, make a 20 lb. reduction, move the cutoff valve to "OUT" position and move the lead-dead valve to "dead" position. Brakes must remain applied for 5 minutes.
4. Cover each trainline hose coupling with hand and test for leakage thru valve, then apply blank dummy couplings to trainline hoses on each end of unit and open Trainline Valves. Make a 20 lb. reduction with the automatic, move the cutoff valve to "OUT" position and check Brake Pipe leakage. Leakage shall not exceed 5 lb. per minute. ....
5. Reduce main reservoir pressure to 85 lb. by draining #2 Main Reservoir (\*) Check cab gauge for leakage from Main Reservoirs and piping for three minutes. Leakage must not exceed an average of 3 lbs. per minute during the test. ....
6. Drain #1 Main Reservoir (\*), completely and test check valve between reservoirs. Pressure should remain on M. R. gauge in cab as #1 Main Reservoir is drained. ....

NOTE (\*) Main Reservoir locations:  
GP-38=> Res. L. Side: #2 Res R. Side.

COMMENTS: Main Reservoir check valve wouldn't pass test  
(Replaced check valve disc, spring, O-ring. Ames)

Test AIR Flow Meter Ames

# ANNUAL INSPECTION TESTS

TEST OPERATION OF DYNAMIC BRAKES.....  
CHECK OPERATION OF FUEL PREHEATER.....  
INSTALL GURU PLUGS..... *Done / Day Shift*  
INVENTORY TRACTION MOTORS IN LOCOMOTIVES.....  
TEST CAB HEATERS.....  
CHECK MAIN RES BLOWDOWNS FOR OPERATION.....  
PERFORM COMPRESSION TEST..... *Done*  
INSPECT CAB SEATS..... *OK*  
CLEAN AIRBOXES..... *OK*  
REMOVE AND CLEAN TRACTION MOTOR FILTERS.....  
GREASE EQUIPMENT BLOWERS ON -7s..... *Done*  
PIN RACKS..... *Done*  
GREASE FAN / COMPRESSOR COUPLING ON -7s..... *Done*  
CHECK CRANK CASE BREATHER..... *Done*  
CHECK SANDER OPERATION.....  
FUEL SPILL KITS..... *OK*  
CHECK TOILET..... *Done*  
PERFORM ENGINE ADJUSTMENTS..... *Done*  
TEST AND DATE HANDBRAKE..... *Ames*  
CHECK CRANK CASE PRESSURE SWITCH.....  
INSPECT BRAKE RIGGING..... *Done*  
INSPECT BATTERIES..... *FOSTER*  
PERFORM CMR TEST.....  
INSPECT CDC CONTACTORS ON -8s..... *N/A*  
INSPECT FIRST AID KITS..... *Done*  
APPLY SPARE KNUCKLES TO LOCOMOTIVES IF NEEDED..... *OK*  
WRENCH, HAMMER, HOSES..... *Done*

Montreal, Maine and Atlantic Railway  
12 Month Airwork

Unit Number 5023

Date 1/6/07

1. Test resistance of Electrical Equipment to Ground:
  - a. Hi Voltage System..... see defect sheet
  - b. Low Voltage System..... OK
  - c. A/C System..... NA
2. Check Fire Extinguisher..... OK
3. Lubricate Brake Pistons..... Done
4. Measure slack in draft gears & record: Front 1/16" Rear 1/16"
5. Change Main Reservoir Relief Valve..... Amer
6. Remove and clean Salem Filters..... Amer
7. Remove and clean Dirt Filter..... Amer
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..... Tested OK
14. Change Air Compressor oil and Filter (wipe out base)..... Done
15. Inspect Air Compressor Rod Bolts, Brgs., and Oil Pump... New Compressor
16. Check Oil pressure @ idle and record.....
17. Change Oil in Dash 7:
  - a. Alternator..... OK
  - b. Fan Drive..... Done
18. Check Engine Adjustments..... Done
19. Clean Air Boxes..... OK
20. Clean Diode Bank in Dash 8's. +75..... Done
21. test A.R Flow Meter..... Done



DEFECT	CORRECTIVE ACTION TAKEN	SIGNATURE
Guru plug main water drain broken	Replaced	Dave
Dead & Drained	Filled w/coolant & Stubbs treatment	Dave
Cover Pin on Ex-Gen. come out	reinstalled with "lock-tite"	A
low reading on High-volt ground test	Reads o.k. now (?) 1/8/07	FOSTER
Toilet will not prime up	Replaced with Prime pump	Wb.
Brakemen rear window chipped 1"	(N.I.S)	
Battery cables loose behind batteries.	Secured.	FOSTER
F.S. Eng Air Filters burnt out - inspect. Air boxes - not very dirty		Washed
Loose Gear Case Bolt #4 Bottom		Amer
Loose Gear Case Bolt #5 Top & Bottom & halves	Replaced Bolts	Amer
Loose Sand pipe #1 R	Tightened binder bolt	Dave
Loose Sand pipe #6 R	Tightened binder bolt	NL
# 1 R Brake cyl. pin falling out	Replaced Brake cyl	DRS/NL
# 2 R brake cyl. slides worn	Replaced Slides	DRS/NL
#3 R brake cyl. pin backing out	Tightened	Dave
#4 R Brake cyl. slides worn	Replaced slides	<del>Dave</del> Dave
#1 L Brake cyl pin backing out	OK	Dave
#2 L Brake cyl slides worn	Replaced	Dave
#3 L cyl hanger bushings worn	OK	Dave
#4 L brake cyl slides worn	<del>Replaced</del> Replaced cyl	Day Crew
#1 L, R wheels high flanges		
#1 L cracked support box	Welded	Dave
Inspector: _____ Time: _____	Time and Date Ok'd For Service: _____	
The above work has been performed, except as noted, and the report is approved.		Foreman in Charge
Signature: _____ Occupation: _____		
Unit No: 5023	1/8/07	Inspection: _____

1.8.07

MMA 5023

ANNUAL ENGINE COMPRESSION  
READING

L1	285	R1	310
L2	310	R2	325
L3	305	R3	345
L4	340	R4	290
L5	310	R5	300
L6	325	R6	325
L7	330	R7	290
L8	300	R8	320