

MM&A 92 DAY INSPECTION SHEET

LOCATION: Derby

DATE: 5-30-08

PAGE 1 of 6

LOCOMOTIVE NO. 5026

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>Tested Alarmer Downloaded Recorder J. Martin</i>
101	SELF LOAD UNIT OUTSIDE. RECORD KW, AMPS AND VOLTS	<i>Aux - 72.3 6.90V</i>
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.	<i>Amer</i>
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.	X
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.	<i>Amer</i>
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.	<i>needs oil change</i>
106	CHECK AIR COMPRESSOR OIL LEVEL WITH ENGINE AT IDLE. ADD OIL AS REQUIRED (GE SPECIFICATION D6B1103)	<i>Amer</i>
107	CHECK OIL LEVEL IN ALTERNATOR GEAR TRAIN. ADD DIESEL ENGINE OIL AS NEEDED.	
108	CHECK OPERATION OF WINDOW WIPERS. REPLACE BLADES AS NECESSARY.	<i>J. Martin</i>
109	CHECK COOLING WATER LEVEL AND WATER TREATMENT CONCENTRATION. ADD TREATED OR CLEAN WATER AND COMPATIBLE WATER TREATMENT COMPOUND AS NEEDED.	<i>Amer</i>
110	CHECK OPERATION OF GROUND RELAY SYSTEM AND LOCK OUT PER GETS MI GEI-83418A.	<i>J. Martin</i>
111	CHECK EXHAUST MANIFOLD FOR LEAKS, CRACKS OR BROKEN WELDS. REPAIR AS NECESSARY.	<i>Amer</i>
112	CHECK OPERATION OF ENGINE AIR FILTER PRESSURE SWITCH PER GETS MI GEK-18104.	<i>-N/A-</i>

Dump Tank

Amer / D. Black / TP Profile - Etc.

113	CHECK OPERATION OF EMERGENCY FUEL TRIPS AND THROTTLE STOPS	J. Hartin
114	CHECK GOVERNOR OVER SPEED SYSTEM TO ENSURE PROPER OPERATION. CHECK GOVERNOR OIL LEVEL AT IDLE. ADD 10W30 OIL GRADE SF AS REQUIRED	J. Hartin
115	TEST FLUID AMPLIFIER FOR LEAKAGE PER MI GE K-35899. <i>Amot thermostat</i>	DRM
116	INSPECT AND TEST ALL ALARMS, AUTOMATIC CONTROLS AND PROTECTIVE DEVICES	J. Hartin
117	RUN MANUAL SELF TEST USING DID PANEL.	J. Hartin
118	CHECK AND VERIFY OPERATION OF SPEEDOMETER	M. P. [unclear]
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.	J. Hartin
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.	D. Black
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.	D. Black
122	CHECK OPERATION OF CAB HEATERS AND REFRIGERATOR. MAKE REPAIRS AS NECESSARY.	J. Hartin
	PERFORM ALL 200 SERIES INSPECTIONS AND TESTS WITH LOCOMOTIVE INSIDE OF SHOP BUILDING	See defects
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	J. Hartin
201	CLEAN AND INSPECT CAB. MAKE SURE NO TOOLS OR DEBRIS IS ON THE FLOOR. CLEAN WINDOWS INSIDE AND OUT.	See Defects
202	CHECK ALL CIRCUITS FOR GROUNDS, SHORT CIRCUITS AND DAMAGED INSULATION.	J. Hartin
	<i>TOP DECK INSPECTION</i>	<i>Amex</i>
	<i>GREASE COMPRESSOR SHAFT</i>	<i>Amex</i>

203	INSPECT ELECTRICAL EQUIPMENT POWER CONTACTOR TIPS, ARC CHUTES AND INTERLOCK PLUNGER BOLTS. CHECK FOR BURNED WIRING AND LOOSE OVERHEATED ELECTRICAL CONNECTIONS.	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. McLennan
206	INSPECT LOW PRESSURE FUEL HOSE. REPLACE AS NECESSARY.	Ames
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). Record on	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). Record on brush sheet.	J. Hartin
210	REMOVE CARBON BUILD UP FROM CRANKCASE BREATHER PIPE IN EXHAUST STACK (IF EQUIPPED).	DRS
211	REPLACE FUEL FILTER ELEMENT.	Ames
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.	Ames
213	CHANGE ALL LUBE OIL FILTERS, CLEAN LUBE OIL STRAINER AND TAKE LUBE OIL SAMPLE	Ames

214	INSPECT ALL FLEXIBLE COUPLINGS. CHECK RUBBER BUSHINGS FOR DETERIORATION, REPLACE AS NECESSARY	Amer
215	INSPECT EXHAUST MANIFOLD, HEAT SHIELDS, SILENCER AND EXHAUST STACK.	N/A DONE ON #111 D. Black
216	CHECK OIL LEVEL OF RADIATOR FAN GEAR BOX	DRM
217	REPLACE BAGGIE AIR FILTERS WITH NEW ELEMENTS (MAY BE REQUIRED ON THIS INSPECTION DEPENDING ON LOCAL CONDITIONS).	Amer
ALL 300 SERIES INSPECTIONS AND TESTS ARE IN CONNECTION WITH THE DIESEL ENGINE OF THE LOCOMOTIVE AND SHOULD BE PERFORMED INSIDE OF SHOP BUILDING		
300	VISUALLY INSPECT ALL COMPONENTS OF THE CRANK CASE OF DIESEL ENGINE	Amer
ALL 400 SERIES INSPECTIONS AND TESTS ARE IN CONNECTION WITH THE LOCOMOTIVE PLATFORM OF THE LOCOMOTIVE AND SHOULD BE PERFORMED INSIDE OF SHOP BUILDING		
400	INSPECT ENTIRE LOCOMOTIVE FOR LOOSE BOLTS, NUTS AND PIPE JOINTS. TIGHTEN OR REPAIR AS APPROPRIATE.	
401	CLEAN RADIATORS.	
402	INSURE THAT SAND BOXES ARE FULL.	Amer
403	INSPECT ALL HAND RAILS AND RAILINGS TO INSURE THEY ARE STRAIGHT AND SECURE.	Amer
404	INSPECT ALL LIGHT BULBS TO INSURE THEY ARE OPERATIONAL.	J. Hartin
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>114</u> REAR: <u>114</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.	<p>Forward Batt @ 31.65V 100% Hyd. w/ 4 Dead Cells Rear word Batt @ 34.1V 100% Hyd.</p>
407	TEST / QUALIFY MU JUMPER CABLE WITH TESTER	
ALL 500 SERIES INSPECTIONS AND TESTS ARE IN CONNECTION WITH THE UNDERFRAME AND BOGIES OF THE LOCOMOTIVE AND SHOULD BE PERFORMED INSIDE OF SHOP BUILDING OVER AN INSPECTION PIT.		
	CHANGE AUX-CAB FILTER	D. Black

500	PERFORM TRACTION MOTOR LUBRICATION INSPECTION. CHECK FOR HEAVY FILM OF LUBRICANT ON GEAR TEETH. IF LOW, FILL TO BOTTOM OF LOWER INSPECTION OPENING (GE	D. Black
501	INSPECT WHEELS FOR CRACKS, SHELLLED TREADS OR FLAT SPOTS. CHECK FOR PROPER RIM THICKNESS AND MAKE CORRECTIONS AS NECESSARY. COMPLETE WHEEL INSPECTION REPORT.	D. Black
502	DRAIN WASTE OIL RETENTION TANK. INSPECT DRAIN TROUGHS ALONG THE WALKWAYS TO ENSURE DRAIN HOLES ARE NOT PLUGGED.	D. Black
503	CHECK OIL LEVEL IN JOURNAL BOXES (IF APPLICABLE) Most have timken	D. Black
504	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.	D. Black
505	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
506	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.	D. Black
507	DRAIN FUEL TANK CONDENSATION.	
508	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
509	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
	ALL 600 SERIES INSPECTIONS AND TESTS ARE IN CONNECTION WITH THE FINAL INSPECTION AND RELEASE OF THE LOCOMOTIVE AND SHOULD BE PERFORMED OUTSIDE OF SHOP BUILDING.	

600	PERFORM OUTBOUND SELF LOAD TEST AND RECORD HP, AMPS, VOLTS, BATTERY VOLTS, WATER AND OIL TEMP	2987 HP V-6, 875 Best V-70rb
601	ENSURE WATER GOES INTO RADIATOR AND TANK SITE GLASS IS LOWER AT APPROX 180 DEGREES ON WATER TANK TEMP GAGE	M. Cooley
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.	M. Cooley
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.	M. Cooley
604	CHECK SANDERS FOR PROPER OPERATION, COMPRESSOR PICK-UP AND DROP-OUT PRESSURES, AND INSPECT ANY OIL, FUEL OR WATER LEAKS CORRECTED.	D. Black
605	RUN AUTO SELF TEST USING DID PANEL.	—
606	REVIEW COMMENT AND DEFECT SHEETS AND CORRECT ANY DEFECTS NOT CORRECTED.	
0	SUPERVISOR'S SIGNATURE	

DEFECT	CORRECTIVE ACTION TAKEN	SIGNATURE
Rear door glass cracked	Replaced Glass	M. Berley
Cond. sidewindow sticks	Replaced glass	DRM
Fridge not working - inverter?		
Air hose leaking at Reverser	Fixed	JAM
Cond. seat pedistal is bad	Adjusted seat pedistal	DRM

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: _____

Inspection: _____

BRUSH RECORD

UNIT # 5624

DATE 5-30-08

MAIN ALTERNATOR

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

SIGNATURE J. Hartin

NO. 1 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE J. Hartin

NO. 2 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE J. Hartin

NO. 3 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE J. Hartin

NO. 4 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE J. Hartin

AUXILIARY GENERATOR

POS	1	2	3	B	W
2					
4	OK				
8					
10					

SIGNATURE J. Hartin

NO. 5 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE J. Hartin

NO. 6 TRACTION MOTOR

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE J. Hartin

EXCITER GENERATOR

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

SIGNATURE J. Hartin

Cab heater

OK

DYNAMIC BRAKING BLOWER MOTORS

FRONT

POS	1	B	W
2			
4	OK		
8			
10			

SIGNATURE _____

REAR

POS	1	B	W
2			
4	OK		
8			
10			

SIGNATURE _____

FUEL PUMP MOTOR

POS	1	B	W
3			
9	OK		

SIGNATURE J. Hartin

Montreal, Maine, & Atlantic Railway
Locomotive

Unit 5026

Date SABA 6-1-08

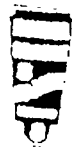
3 Month Federal Air Work

Signature

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

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

Montreal, Maine & Atlantic Railway
 LOCOMOTIVE & CAR WHEEL REPORT



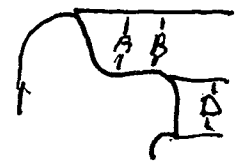
Loco or Car Initial & Number 5026 MMA

Date of inspection 5-30-08

Location of Inspection Derby, Me. U.S.A.

Inspector's Name D. Black

Incoming Inspection	<input checked="" type="checkbox"/>	Outbound Inspection	<input type="checkbox"/>
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Left Side

Right Side

Location	A	B	D	Location	A	B	D	MOUSE CHECK
1	1.04	1.06	3.14	1	1.04	1.08	3.16	1/4
2	1.04	1.07	3.16	2	1.04	1.08	3.16	1/4
3	1.04	1.07	3.16	3	1.04	1.07	3.16	3/8
4	1.07	1.08	3.16	4	1.07	1.08	3.16	1/4
5	1.04	1.08	3.16	5	1.04	1.08	3.16	1/4
6	1.04	1.08	3.16	6	1.04	1.07	3.16	3/8

Coupler Height (minimum 31.5" maximum 34.5")

Front	34.5	Rear	34.5
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Pilot Height (minimum 3" maximum 6")

Front	5	Rear	5 3/8
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Side Bearing Clearance (total to be between 3/16" & 1/2")

Left Front	1/2	Right Front	1/4	Left Rear	3/8	Right Rear	1/8
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Distally from each side and axles that axles spacing or vertical angles

Montreal, Maine, & Atlantic Railway
Mechanical Department

Unit Number. 5826

Date 5-30-01

1. Inspect traction motor wicks and report action

#1. _____

#2. _____

#3. _____

#4. _____

#5. _____

#6. _____

OK *D. B. Beck*

Drained water and refilled and rewired