

MMA 2000

6-18-12

### Main Alternator

Pos	Brush
3	OK
2	OK
1	OK
12	OK
11	OK
10	OK

*[Signature]*

### #1 TM

Pos	1	2	3
3	OK		
6	OK		
9	OK		
12			

*[Signature]*

### #2 TM

Pos	1	2	3
3	OK		
6	OK		
9	OK		
12			

*[Signature]*

### #3 TM

Pos	1	2	3
3	OK		
6	OK		
9	OK		
12			

*[Signature]*

### #4 TM

Pos	1	2	3
3	OK		
6	OK		
9	OK		
12			

*[Signature]*

### Fuel Pump

3	OK	
9	OK	

*[Signature]*

### Aux Gen

Pos	1	2	3
2	OK		
4	OK		
8	OK		
10			

*[Signature]*

### #5 TM

Pos	1	2	3
3			
6			
9			
12			

### #6 TM

	1	2	3
3			
6			
9			
12			

### Exciter Gen

Pos	1	2	3
2	OK		
4	OK		
8	OK		
10			

*[Signature]*

Bangor and Aroostook Railroad  
Locomotive  
Quarterly Mechanical Maintenance  
Leads

Unit \_\_\_\_\_

Date \_\_\_\_\_

1. INSPECT ENGINE

- a. Blowers, Lube oil Separator and Stack studs for oil and water leaks. Tighten stack studs.
- b. Gear train housing, pumps, governor and governor linkage for defect and leaks. ....
- c. Crankcase, connecting rods, Bearings for cracks and leaks. ....
- d. Air Boxes, Liners, Pistons and Piston Rings for cracks, oil and water leaks. ....
- e. Wipe out air boxes. ....

*R. Shorey*

*N.A.*

*N.A.*

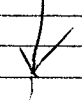
*N.A.*

*B.C.*

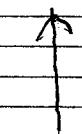
- 2. Take Cylinder Lead Readings. ....
- 3. Change Michiana Filter Elements. ....
- 4. Remove and Clean Lube Oil Suction Strainers. ....
- 5. Change or Clean Fuel Oil Filters. ....

*B.C.*

- a. Sintered Bronze. ....
- b. Fullflo Filter Elements. ....
- c. Suction Filter Elements. ....



- 6. LUBRICATE THE FOLLOWING:
  - a. Traction Motor Gears. (4 pkg. per gear case)..
  - b. Journal Boxes. ....
  - c. Speed Recorder Drive Chain. ....
  - d. Throttle Governor. ....
  - e. Shutter Linkage. ....
  - f. Bell Ringer. ....
  - g. Air Compressor Flexible Coupling. ....

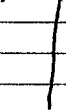


*R.A.S.*

- 7. Inspect, Repair and Lube Hand Brake. ....
- 8. Inspect and Repair TM Gear Case. ....
- 9. CHECK COOLING WATER SYSTEM.

*R.A.S.*

- a. Inspect for leaks. ....
- b. Water Inhibitor Concentration. ....
- c. Water Gauges. ....



- 10. Drain Condensate From Fuel Tank Sump. ....
- 11. Drain Condensate From Lube Oil Sump. ....
- 12. Check Fuel Emergency Cutoff Valve Operation. ....
- 13. Check Fuel System For Leaks and Repair. ....
- 14. Check Traction Motor Air Duct Bellows. ....
- 15. Change Engine Air Filters. ....
- 16. Change Carbody Air Filters. ....
- 17. Change High Voltage Cabinet Air Filters. ....
- 18. Change or Clean Air Compressor Intake Air Filters. ....
- 19. Clean Screen in Air Comp. Discharge Oil Separator. ....
- 20. Clean Aftercooler Discharge Filter. ....
- 21. Clean Oil Cooler Breather. ....

*R. Shorey*

*R. Shorey*

*R. Shorey*

*R. Shorey*

*N.A.*

- 22. CHECK OPERATION OF ALL GAUGES
  - a. Engine lube oil pressure. ....
  - b. Engine lube oil suction. ....
  - c. Water temperature. ....
  - d. Water pressure. ....
  - e. Air compressor lube oil pressure. ....
  - f. Main reservoir/air compressor governor. ....
  - g. Fuel gauges. ....

23. Perform Daily Inspection. ....  
COMMENTS:

B-23, B-30, D-30, GP-7 MO6 INSPECTION

*In-House Or Dead Mechanical*

WORKED BY

SECTION 1 (ANNUAL ITEMS)

WITH ENGINE WARM, PRESSURE TEST COOLING SYSTEM AT 20 PSI AND INSPECT THE ENTIRE COOLING SYSTEM FOR LEAKS	
PERFORM CRANKCASE INSPECTION WHILE BARRING THE ENGINE OVER. PAY CAREFUL ATTENTION FOR BROKEN RINGS AND/OR "JUMPING" RODS INDICATING THRUST WASHER WEAR	N.A.
INSPECT PISTON COOLING TUBES (END ONLY)	
INSPECT WATER MANIFOLD SADDLE STRAPS BETWEEN 4&5 AND 12&13 PA'S FOR PROPER SECUREMENT (EMD ONLY)	R. Shorey
INSPECT AIR BOX, CLEAN AS NECESSARY	R. Shorey
INSPECT TOP DECK COVERS, SEALS AND LATCHES. REPLACE AS NECESSARY	R. Shorey
INSPECT ALL EXHAUST MANIFOLDS, EXPANSION JOINTS AND HEAT SHIELDS FOR DEFECTS AND SECUREMENT.	R. Shorey
REMOVE AND CLEAN EDUCTOR TUBE AND STACK OUTLET AND REPLACE GASKETS	
REMOVE AND CLEAN ENGINE OIL SEPARATOR. REPLACE GASKET (EMD ONLY)	R. Shorey
VERIFY SOAKBACK PUMP OPERATION AT #16 OIL PAN COVER (EMD ONLY)	
PULL MICHIANA TANK AND SUCTION BOX DRAIN (IF CRANKCASE AND AIRBOX PASS INSPECTION) (EMD ONLY)	R. Shorey
INSPECT AFTERCOOLER DUCTS FOR LOOSE/MISSING BOLTS (60 FT LBS)	R. Shorey
LUBRICATE RADIATOR SHUTTER LINKAGES AND CYLINDERS	N.A.
REPLACE THE BELL VALVE	
INSPECT ROCKER ARMS, ROCKER ARM BUSHINGS AND CAM FOLLOWERS	N.A.
SECTION 2	
CHANGE / INSPECT / CLEAN:	↓
CHANGE HVAC FILTERS IF APPLICABLE	
INTAKE FILTER(ONLY AFTER HVAC IS WASHED)	↓
REPLACE "BAGGIE" AIR FILTERS AND VISUALLY INSPECT TURBO IMPELLER AND EXAMINE CHAMBER FOR DEBRIS AND CRACKS	N.A.
PRIMARY, SECONDARY FUEL FILTERS & O RING SEALS	B.C.
FUEL STRAINERS & O RING SEALS	B.C.
FUEL BY-PASS GAUGE (INSPECT ONLY)	R.A.S.
CHANGE SOAKBACK FILTER AND RENEW O RING SEALS	R.A.S.
CHANGE TURBO FILTER AND RENEW O RING SEALS	R.A.S.
REMOVE PRIMARY LUBE OIL FILTER BYPASS VALVE AND CLEAN	B.C.
CHANGE ENGINE LUBE OIL FILTERS	B.C.
RENEW MICHIANA O RING SEAL AND CLEAN MICHIANA FILTER HOUSING	↓
CLEAN LUBE OIL STRAINERS AND STRAINER BOX, REFRESH OIL	

Montreal, Maine and Atlantic Railway  
12 Month Airwork

Unit Number 2000

Date 6-16-12

1. Test resistance of Electrical Equipment to Ground:
  - a. Hi Voltage System..... 7+ mess J. Martin
  - b. Low Voltage System..... OK [Signature]
  - c. A/C System..... [Signature]
2. Check Fire Extinguisher..... TP Boodie
3. Lubricate Brake Pistons..... J. Black
4. Measure slack in draft gears & record: Front 1/39 Rear 1/32
5. Change Main Reservoir Relief Valve..... TP Boodie
6. Remove and clean Salem Filters..... D. Black
7. Remove and clean Dirt Filter..... Edward D. Black
8. Check Compressor on/off pressures..... 132-145 TP Boodie
9. Check Brake Pipe pressures (90lbs.)..... 90psi TP Boodie
10. Check Brake Cylinder Pressure with Auto Application..... 35 psi TP Boodie
11. Check Independent Brake Pressure..... 72 psi TP Boodie
12. Cut out Compressor Unloader and test Main Reservoir Relief Valve.  
(Should pop @ 155psi)..... Changed 150 pop D.B
13. Inspect and test Hand Brake..... J. Martin
14. Change Air Compressor oil and Filter (wipe out base)..... TP Boodie
15. Inspect Air Compressor Rod Bolts, Brgs., and Oil Pump... TP Boodie
16. Check Oil pressure @ idle and record.....
17. Change Oil in Dash 7:
  - a. Alternator..... OK J. Martin
  - b. Fan Drive..... J. Martin
18. Check Engine Adjustments..... Todd Boodie / J. Black
19. Clean Air Boxes..... J.W Black
20. Clean Diode Bank in Dash 8's +7/8..... J. Martin

Comments: