
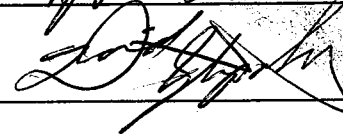
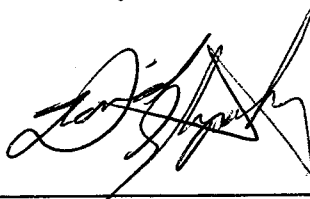


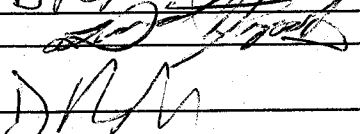
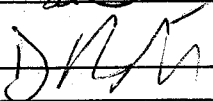


215	INSPECT EXHAUST MANIFOLD, HEAT SHIELDS, SILENCER AND EXHAUST STACK.	<i>R. Hesse</i>
216	CHECK OIL LEVEL OF RADIATOR FAN GEAR BOX	
217	REPLACE BAGGIE AIR FILTERS WITH NEW ELEMENTS (MAY BE REQUIRED ON THIS INSPECTION DEPENDING ON LOCAL CONDITIONS).	<i>R. Hesse</i>
	ALL 300 SERIES INSPECTIONS AND TESTS 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	<i>R. Hesse</i>
	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.	<i>D. Black</i>
401	CLEAN RADIATORS.	
402	INSURE THAT SAND BOXES ARE FULL.	<i>R. Hesse</i>
403	INSPECT ALL HAND RAILS AND RAILINGS TO INSURE THEY ARE STRAIGHT AND SECURE.	<i>J. Harris</i>
404	INSPECT ALL LIGHT BULBS TO INSURE THEY ARE OPERATIONAL.	<i>J. Harris</i>
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>332</u> REAR: <u>330</u>	<i>D. Black</i>
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.	<i>L. eBlane</i> 1.250
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.	

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. Hartin
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	D. Black
502	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
503	DRAIN WASTE OIL RETENTION TANK. INSPECT DRAIN TROUGHS ALONG THE WALKWAYS TO ENSURE DRAIN HOLES ARE NOT PLUGGED.	A. Haseel
504	CHECK OIL LEVEL IN JOURNAL BOXES (IF APPLICABLE)	
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.	D. Black
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	LFT, plate Broke Side Bearing cleange repaired 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.	D. Black
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.	Brakes need adj. W. E. L. A. N.
	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	 WATER @ 133°F AMP 3822 OIL @ 137°F VOLTS 701 BATTERY 74V APP. 3723
601	ENSURE WATER GOES INTO RADIATOR AND TANK SITE GLASS IS LOWER AT APPROX 180 DEGREES ON WATER TANK TEMP GAGE	
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 8592

Date 01-11-10

3 Month Federal Air Work

Signature

1. Inspect and repair air piping and valves for leaks [Signature]
2. Test all air gauges with gauge tester and set if required INC. Air Flow Meter [Signature]
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..... [Signature]
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..... Front Rear [Signature]
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..... [Signature]
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..... [Signature]
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.

Lube all brake pistons [Signature]

Montreal, Maine, & Atlantic Railway
Mechanical Department

Unit Number. A592

Date 1-11-10

1. Inspect traction motor wicks and report action

- #1. ok ... D Black
- #2. ok ... D Black
- #3. ok ... D Black
- #4. lot of ice change wick & refilled
- #5. _____
- #6. refilled all bags D Black 1-11-10

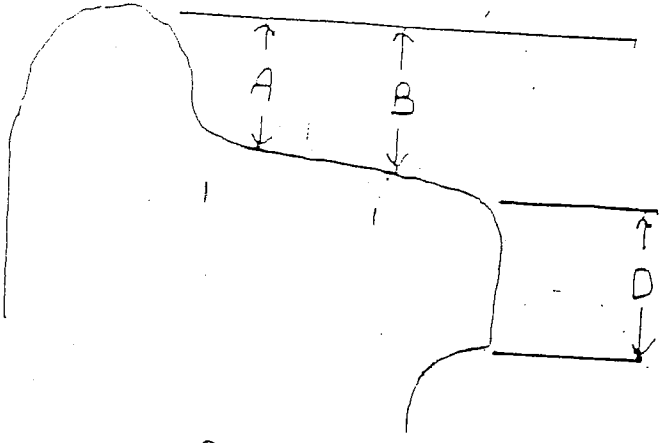
MONTREAL, MAINE AND ATLANTIC RAILWAY

Quarterly Mechanical Maintenance

Unit #592

Date 1-11-10

REPORT SHEET
WHEEL, COUPLER and SIDE BEARING



$C = B \text{ MINUS } A$

COUPLER HEIGHT (31.5" to 34.5")		MACHINIST <i>D. Black</i>
FRONT 33	REAR 33	
SIDE BEARING CLR. (total 3/16" - 1/2")		MACHINIST <i>Broke plate</i> <i>D. Black</i>
R. F. 1/4	L. F. 0	
R. R. 1/4	L. R. 1/2	
PILOT HEIGHT (min. 3" - max. 6")		MACHINIST <i>D. Black</i>
FRONT 5	REAR 5 1/2	

WHEEL	RIGHT SIDE				LEFT SIDE				NOSE SUSPENS. CLEARANCE
	A	B	C	D	A	B	C	D	
NO. 1	1.12	1.08	1	2.12	1.08	1.08	1	2.16	1/4
NO. 2	1.10	1.08	1	2.12	1.09	1.07	1	2.14	1/4
NO. 3	1.09	1.07	1	2.14	1.09	1.08	1	2.16	1/4
NO. 4	1.08	1.08	1	2.18	1.09	1.07	1	2.16	1/4
NO. 5	X			X	X			X	X
NO. 6		X		X	X			X	X

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.) *OK*
- Inspect all wheels for flat and shell spots. *OK*
- Inspect Front and rear draft gears and couplers. *PT-1/32 - R-0*
- Inspect support brgs., caps, and gear cases for cracks. *OK*

REPORT ALL DEFECTS AND NEAR DEFECTS TO FOREMAN

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

Comments:

L.F. Side bearing plate Broke repaired

D. Black

BRUSH RECORD

UNIT # _____

DR. _____

MAINS ALTERNATOR

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

SIGNATURE J. Hart

NO. 1 TRACTION MOTOR
AC246542 AF 6800

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE J. Hart

NO. 2 TRACTION MOTOR
AC246046 AG 6800

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE J. Hart

NO. 3 TRACTION MOTOR
EP 91010524 AF 6800

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE J. Hart

NO. 4 TRACTION MOTOR
AC245999 AG 6800

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE J. Hart

AUXILIARY GENERATOR

POS	1	2	3	B	W
2					
4	OK				
8					
10					

SIGNATURE J. Hart

CAB Heater
NO. 5 TRACTION MOTOR ENS

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE NL

CAB Heater
NO. 6 TRACTION MOTOR COND

POS	1	2	3	B	W
3					
6	OK				
9					
12					

SIGNATURE NL

EXCITER GENERATOR

POS	1	2	3	B	W
2					
4	OK				
8					
10					

SIGNATURE _____

DYNAMIC BRAKING BLOWER MOTORS

FRONT

POS	1	B	W
2			
4	OK		
5			
10			

SIGNATURE LeBlanc

REAR

POS	1	B	W
2			
4	OK		
8			
10			

SIGNATURE LeBlanc

FUEL PUMP MOTOR

POS	1	B	W
3			
9	OK		

SIGNATURE J. Hart



DEFECT	CORRECTIVE ACTION TAKEN	SIGNATURE
L-FT. side Bearing plate broke	replaced OK	D. Black
Change Sabin Filters	- 1818 Tank	K. Hasey
Dumper toilet	- K. Hasey	D. Black
Fuel unit	- D. Black	
SAND BOXES 08	- K. Hasey	
Toilet needs water	- TREATMENT	- K. Hasey
BROKEN Latch IN cab	Battery door	Duffy
R-SIDE #1 BRAKE	piston need to be adjusted	K. Hasey
Took out trash	BOXES X OLD Biteas	K. Hasey
Bad spitters	change 1-12-10	D. Black
TM #4 missing dust seal	Replaced seal and clamp	J. Hasey
Nut missing: control stand call	button Secured	K. Hasey
Handrail Loose R/Rear of cab	Replaced bolts	J. Hasey

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: _____



Quantum Desktop Playback
Data Scan Report

Report Date: 07-15-2010

Locomotive 8592

Data Removed on 07-15-10

SPEED (MPH)	OK
TRACTION MOTOR CURRENT	OK
BRAKE PIPE PRESSURE	OK
INDEPENDENT BRAKE	OK
END-OF-TRAIN PSI	Never above 20.
EP BRAKE REQUESTED	Never ON/ACTIVE
THROTTLE	Dynamic Brake 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



Quantum Desktop Playback

Manufacturer is QEI Version # S45E
Serial Number is 0204050051
Customer is ----

Data was removed on - 10:52:47 on 07/15/10
Last Downloaded on - 13:19:00 on 04/14/10
Battery was installed on - 04/21/04
Locomotive Number is - 8592

Downloaded by - LeBlanc
Location - Derby
Train - 1
Wheel Size Entry - 40
Wheel Size used by program:
Circumference = 125.7 Diameter = 40.0
No memo present.

Wheel size used for printout is 125.66

QDP Version V