

## 92 Day Inspection Report

Date 9-9-25 Customer \_\_\_\_\_ Locomotive# 51 606

TASK DESCRIPTION		INITIALS
<b>CAB</b>		
1	Check operation of horn, bell, sanders, wipers, and sunvisor. Lubricate wiper motors.	✓
2	Inspect all seats and seat bases for proper condition and operation. Record any damages to the seats.	✓
3	Inspect condition of cab floor remove all trash from cab.	✓
4	Inspect all cab windows and record any damages found. FRA Part 223 Glazing.	
5	Inspect cab and engine room fire extinguishers and record service date.	✓
6	Inspect cab doors latches, hinges, for proper alignment.	✓
<b>ELECTRICAL</b>		
7	Check for low voltage grounds. Record Defects.	✓
8	Check operation of ground relay and verify the ground cut out switch is sealed.	✓
9	Megger high voltage circuit and record Megger reading .	✓
10	Check operation of gauge lights, head lights, engine room lights, ditch lights, cab lights, step lights, ground lights, platform lights, speed indicator lights, controller lights, and notification lights (wheel slip, hot engine, PCS, ground relay, no power, low oil, turbo pump, brake warning, and sanders) and replace bulbs as need.	✓
11	Check for proper labeling of high voltage electrical cabinets and compartments.	✓
12	Check and record charging rate at idle and throttle 8 Idle _____ Throttle 8 _____	✓
13	Check all terminal boards for overheating and burnt wires.	✓
14	Check operation of AC cooling fans and shutters.	✓
15	Inspect operation of wheel slip relay and indicating light.	✓
16	Inspect operation of PCS switch and power knock down application.	✓
17	Inspect all fuse holders and breakers, Check for overheating and/or any other damage.	✓
18	Inspect auxiliary generator, leads, brushes, and commutator. Stone and polish slip ring.	✓
19	Check companion alternator. Inspect brushes, leads, and slip rings for burnt areas and for out of round condition. Stone and polish slip ring.	✓
20	Inspection fuel pump motor, brushes, leads, and flexible coupling, Stone and polish slip ring.	✓
21	Inspect load regulator brushes and movement, clean commutator with electrical solvent.	✓
22	Inspect main generator. Inspect brushes, leads and commutator. Clean insulators and commutator surfaces. Inspect brushes for cracks and proper movement. Check commutator risers for thrown solder and frayed insulation. Stone and polish commutator.	✓
23	Inspect traction motors brushes, leads and commutator. Check for lubrication, proper wick placement and safety wire. Replace brushes as required .	✓
24	Inspect condition of start contactor, battery field, shunt contactor, "P" contacts and reversers.	✓
25	Inspect condition of all resistors and associated wiring.	✓
26	Check the throttle positions and inspect controller for proper function with reverser handle removed. Throttle is locked in idle.	✓
27	Clean electrical cabinet and remove any trash under the cab.	✓
28	Check operation of cab heaters and fans, replace brushes if necessary.	✓

29	Inspect starting batteries. Inspect all connections. Clean connections if necessary and apply corrosion protection. Check water level and add if needed.	✓
<b>CAR BODY</b>		
30	Inspect condition of steps for cracks and defects inspect for any loose bolts.	✓
31	Inspect all walk ways, cat walks, and safety chains.	✓
32	Inspect cab hoods, frame, hand rails for FRA compliance, cracking and other defects.	✓
32	Check all safety guards for proper placement.	✓
34	Inspect and test handbrake. Lubricate the unit	✓
<b>TRUCK ASSEMBLY</b>		
35	Check and record side bearing clearance. Front Left _____ Front Right _____ Rear Left _____ Rear Right _____	
36	Inspect coupler for any defects, operation and record coupler height. Front _____ Rear _____ Scraper Plate Front _____ Rear _____	
37	Inspect draft gear pockets for worn stops and wear plates. Draft gear should not have excessive movement. Inspect for any wear on the carrier plate.	✓
38	Inspect frame for cracks and loose piping.	✓
39	Ensure that frame has correct stenciling, "Emergency Fuel Cutoff", the letter "F" on each front corner of locomotive, AIE tags, and ensure the locomotive identification is legible.	✓
40	Inspect operation of sanders, hoses, pipes, and traps.	✓
41	Inspect axle cap bolts, springs, swing hanger and pins. Add support oil as needed. Also inspect cap bolts and lock wire.	✓
42	Inspect brake shoes for thickness and alignment, repair any overriding issues.	✓
43	Inspect gear cases and replenish lubricant as needed. Inspect bolt tightness. Report any leaks found.	✓
44	Inspect Hyatt boxes for proper lubrication, add oil as needed.	✓
45	Inspect and adjust brake cylinder travel, check for leaks and condition of flexible hoses.	✓
46	Check brake rigging for proper movement and height.	✓
47	Inspect brake heads for wear and retaining keys are in place. Note: brake shoes must not make contact with the wheel when the brakes are release.	✓
<b>MECHANICAL</b>		
48	Inspect radiators for water leaks and proper mounting.	✓
49	Inspect fan assembly, idler pulley, drive shaft pillow block, belt tension, lubricated pillow block bearings with high temp grease only.	✓
50	Inspect air compressor mounting bolts and dowels, change all filters and check couplings. Check for oil and water leaks, add oil if needed. Take oil sample for analysis before adding oil.	✓
51	Inspect accessory rack, front and back of engine, and look for water and oil leaks.	✓
52	Inspect governor for movement and oil levels, Inspect governor plug make sure it is secured.	✓
53	Inspect engine "V" for oil and water and check for proper exhaust bolts torque and condition of stacks 130 Ft-Lbs.	✓
54	Inspect exhaust stacks for cracks & clean carbon traps	✓
55	Inspect top deck, check cylinder heads and components, inspect for water and fuel leaks, valve bridges for excessive noise. Inspect camshaft and rocker arm assemblies for any defects.	✓

56	Inspect engine base bolts and dowels for proper torque. 375 Ft-Lbs.	✓
57	Inspect air boxes for broken rings, scored liners and pistons. Check for water leaks, excessive oil from Blowers, and the condition of cover gaskets, Make sure air box drain is not clogged.	✓
58	Inspect crankcase, basket assemblies and check for signs of overheating. Check for proper placement of P" pipes, and crank shaft for excessive thrust.	✓
59	Change all fuel filters and clean sight glass bowls if needed.	✓
60	Change lube oil filters and replace housing cover gasket.	✓
61	Change engine air intake filters.	✓
62	Inspect front and rear of the traction motor blower. Clean intake screens if needed. Ensure that drive belts are in good condition and have proper tension. Ensure that blower mounting is secure. Lubricate blower bearings. Inspect drive shaft and couplings.	✓
63	Check operation of crank case protector, low oil button, low water button, over speed trip, and hot engine alarm.	✓
64	Check water level. Add water treatment if needed.	✓
65	Check for exhaust leaks.	✓
66	Collect engine oil sample and check lube oil pressure and record	✓
67	Inspect water temperature switches for proper operation of cooling fan shutters and alarms.	✓
68	Inspect condition of fuel tank, check bolt tightness, and for leaks clean sight glass if needed.	✓
69	Inspect condition of air box drains, check for water, ensure drains are open to the retention tank. Check retention tank fluid level & ensure vent is not plugged. Drain retention as required.	✓
70	Inspect lube oil separator for any vacuum leaks and service the strainer.	✓
<b>AIR SYSTEM</b>		
71	Calibrate air gauges and inspect air compressor control settings.	✓
72	Leakage from the main air reservoir and related piping may not exceed an average of 3 psi for 3 minutes, after the pressure has been reduced to 40% of the maximum pressure.	✓
73	Brake pipe leakage may not exceed 5 psi, per minute, after a reduction of 10 psi has been made from brake pipe air pressure of not less than 70 psi.	✓
74	With a full service application at maximum brake pipe pressure, and with communication to the brake cylinders closed, the brakes must remain applied not less than 5 minutes.	✓
75	Leakage from control air reservoir, related piping, and pneumatically operated controls, may not exceed an average of 3 psi per minute for 3 minutes.	✓
76	Inspect all wheel condition and record readings.	✓
77	Change air conditioner filters.	
78	Change all carbonyl filters.	

not Required  
not Required

## WHEEL INSPECTION REPORT

Date \_\_\_\_\_ Customer \_\_\_\_\_ Locomotive# 606

Wheel Location	Flange Height	Rim Thickness	Flange Thickness	Tread Wear	Remarks
R#1	19	32	0		
R#2	18	32	0		
R#3	17	33	0		
R#4	20	30	0		
R#5	18	38	0		
R#6	18.8	38	0		
L#1	18	32	0		
L#2	18	32	0		
L#3	18	32	0		
L#4	17	25	0		
L#5	18	32	0		
L#6	18	32	0		

Signature Kenn Ford