

# Running Maintenance Schedule for the Traction Motor Combo



The table displays the GE-recommended running maintenance schedule for the traction motor combo.

Item	Recommendation
<b>Every 184 Days</b>	
Power Cables	Inspect the power cables for signs of excessive heating, poor insulation, chafing, or mechanical damage. Verify that the cable connections are tight. Check for damaged cable bushings, loose or missing cable cleat hardware, etc.
Ground Cable	Check that the ground cable is bolted securely to the motor and the truck frame.
Gear Case	Inspect the gear case for mechanical damage and signs of lubricant leakage. Excessive leakage may indicate defective seals, and replacement requires removal of the gear case. Check the gear case bolts for proper torque. Check the gear case oil level, and fill to the bottom of the filler opening. After checking and adding lubricant, clean the plug to remove any dirt and particles. Apply Hylomar thread sealant to the pipe plug, and then torque the plug to 80–100 lb.-ft. (108–136 Nm). Lock wire the plug so that it cannot vibrate loose.
<b>Every 184 Days</b>	
Gear Case	Drain and refill the gear case: AC Traction Motor - 14.5 quarts, GE Spec. D50E32. DC Traction Motor - 8 quarts, GE Spec. D50E25C.
<b>Every Year</b>	
Gear Case	Drain and remove the gear case. Clean and inspect the pinion and axle gear for wear damage. Renew gear case seals. Fill the gear case with proper lubricant.
U-tube Bearings	Renew the grease in the bearings using GE Spec. D50E28. Remove the pipe plugs, and while rotating the axle, apply grease until some of the new grease is seen purging out of the seals (all the way around).
Journal Bearings	Clean, inspect, and lubricate bearings using GE Spec. D50E22.

