ELECTRIC VEHICLE CUSTOMER SUCCESS STORY

ELECTRIC VEHICLE SHAFT GROUNDING ELIMINATES BEARING DAMAGE

An electric motor supplier for commercial buses was experiencing bearing damage due to ineffective shaft grounding from their current supplier of grounding brushes. They turned to Inpro/Seal, a leading provider of shaft grounding technology, for an effective solution. Inpro/Seal recommended their Current Diverter Ring (CDR), a maintenance-free shaft grounding solution that provides a low-impedance path to ground, diverting harmful shaft currents safely away from the motor bearings.

Since switching to the CDR, the customer has not experienced bearing failure due to shaft current discharge on their motors installed in a variety of vehicles, resulting in significant benefits for the supplier, including increased motor reliability and reduced maintenance/warranty costs. The Inpro/Seal CDR has proven to be an effective solution for eliminating shaft current discharge and protecting motor bearings, showcasing its potential to benefit a wide range of commercial electric vehicle applications.

Inpro/Seal has extensive experience protecting against EDM on synchronous permanent magnet motor bearings from for a variety of vehicle types, including:

- Commercial buses and trucks
- Construction equipment
- Agricultural equipment
- Lawncare equipment
- Forklifts and other lifting systems
- Municipal vehicles: fire trucks, police cars, garbage trucks