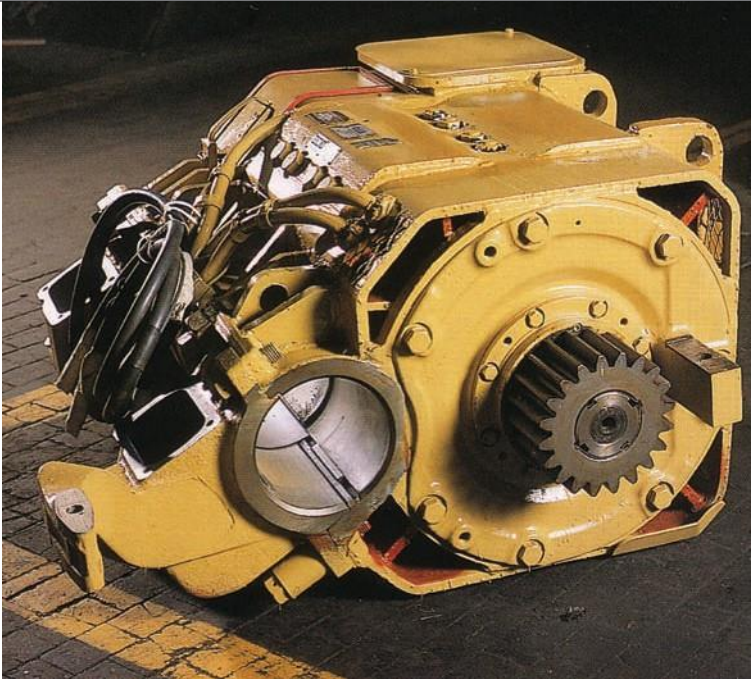
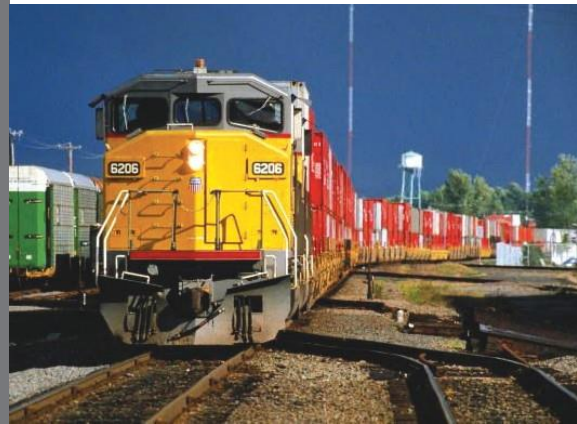



SUPCO CANADA

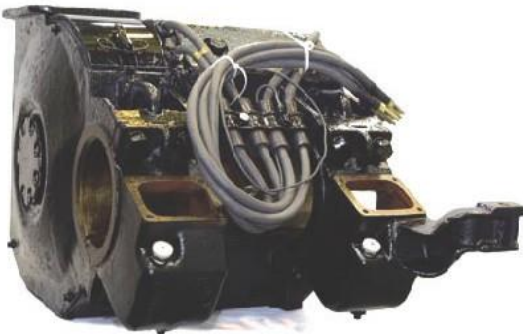
Traction Motors





Traction Motors as it is proven historically are the major contributors to maintenance costs for railways and locomotive owners around the globe. That is why traction motors are known as none ending nightmare among the railways and transit authorities. Getting over this major issue demands the high quality products backed up with extensive technical knowledge on the field.

Supco Canada Railways Supply Group is a quality provider of remanufacturing services for rotating electrical apparatus for Rail and Mass Transit including the Traction Motors. With combined experience of over half a century, our reputation is synonymous with high quality products, dependable remanufacturing services and exceptional customer service. We upheld an exemplary tradition of professionalism, integrity and unwavering commitment to customer satisfaction.




By utilizing progressive engineering methods and efficient manufacturing processes, we supply a wide array of high quality, reliable and cost effective traction motors to our domestic and international clients.

We are committed to deliver professional re-manufacturing services, attentiveness to details, responsiveness to customers' needs and flexibility to deliver effective and reliable solutions to the transit industry.

Our sales commitment is not over by shipping the re-manufactured unit out of the door but we trace the traction motors and scan them to identify the reasons for failures and provide preventative maintenance solutions along with custom modification to our repair procedure to solve the unique problems for each client.

We are capable of re-manufacturing all type DC and AC Traction motors including but not limited to EMD, GE to OEM specification.

Our capability extends to mechanical re-manufacturing of the frames by extensive welding and CNC machining to OEM requirement.



DC TRACTION MOTOR REPAIR - PROCESS FOLLO

- INCOMING INSPECTION
- DISASSEMBLY
- TIR (Total Inspection Report)
- PROCECO WASH
- BAKE (VACUUM DRY)
- BUFF, CLEAN STATOR

- MECHANICAL INSPECTION
- FIELD COIL STRIPPING
- SANDBLASTING
- STATOR & AXLE CAP WELDING
- SUSPENSION NOSE REPAIR WELDING
- STRESS RELIEVING
- MAGNETIC PARTICLE INSPECTION
- SPLINE AXLE CAPS
- SPLINE FRAME
- LINE BORE
- DOUBLE BAR INSPECTION TABLE
- BRUSH HOLDER PAD ALIGNMENT
- WELD BH PADS/WEARPLATES
- PREWIND FRAME
- FIELD COIL REPAIR
- FIELD COIL REWIND
- PRE-PAINT STATOR FOR ASSEMBLY
- HI-POT and SURGE TEST
- VPI & BAKE STATOR (OPTIONAL)

- ASSEMBLE ARMATURE
- ASSEMBLE MOTOR
- MOTOR TEST RUN, FINAL INSPECTION
- INSTALL PINION & COVERS
- PAINT, TAG
- PRE-SHIP INSPECTION

BEFORE



AFTER



Additional Capabilities

We recognize that a wide range of traction motor components are no longer fully supported by the OEM. We also aware of the fact that OEM supplied parts are remarkably at a high cost due to overhead expenses of OEM manufacturers.

To help our valued customers, we initiated dedicated engineering and precise manufacturing programs to fabricate these components to OEM specifications in order to ensure the availability of high quality parts and subassemblies, necessary for overhaul or complete re-manufacturing of various traction motors.

By implementation of this task over many years of active engagement in the re-manufacturing field, we are now capable of manufacturing complete brand new Traction Motors and Armatures from scratch as OEM replacements to quality that even exceeds OEM design.

We also updated these traction motors by utilizing the latest advanced insulation materials such as silicone technologies and polyimide and PTFE films.

These traction motors are included but not limited to EMD D29, D31, D43, D77, D78, D87, D78BTR and D87BTR , D100 and GE 761, 752AF and 752AH Series, Alstom 6FRA 4564, etc.

This enhanced experience will allow us to virtually re-design and fabricate any other traction motors for our clients when the need arose.



EMD® and GE® are registered trademarks for Electro-Motive Diesel Inc. and General Electric Company. Supco Canada Railway Supply is neither authorized EMD® and GE® distributor nor otherwise associated or affiliated with EMD® and GE®. The manufacturer models or part numbers used in our company's literature are for identification purpose only. There is no intent to represent these models or parts as made by OEM unless explicitly identified in product description. However Supco Canada Railway Supply represents that its replacement parts, components and sub-systems are compatible with such made by EMD® and GE®.

Supco Canada Railway Supply Group

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