

Generator Stator Rewind

Full & Partial Stator Rewinds

AGTServices can provide an Engineering Skill Set from years of experience from our Field Service Specialist and our Senior Staff, many who have worked for various OEM's.



Background:

Each OEM's Generator Stator has there own Stator Bar Design with various design features - of coil brazing, tying, blocking and wedging. **AGTServices** utilizes high quality stator coils with the alliance partnership with National Electric Coil. They are the world leader in Non-OEM manufactured coils.

AGTServices has developed installation techniques and procedures from a variety of experiences on several different makes and models in size and condition, working in various work locations and surroundings.

Recommendations for Rewind Project Scope:

- Inspection of original winding / end basket configuration, determine upgrades of existing configuration, if any, and dimensions of existing winding for manufacturing new coils.
- Remove existing Coils & assess condition of core.
- Stator core preparation, including Cleaning, repairs to interlaminar insulation, testing and re-painting. (Some scopes may include a core restack. In other cases, age of the unit or testing results may indicate problems requiring a core replacement.)
- Installation of upgraded end winding support system.
- Installation of stator coils utilizing class F or higher insulation components, RTDs and wedging and blocking system and testing of individual coils or groups of coils at specified points in the installation.
- Braze, tape, and cap series / phase connections.
- Testing of the completed winding
- "Bump test" end winding to ensure no detrimental resonance frequency present.
- Painting and turn over to reassembly team.



AGTServices has the Engineering Skill Sets, Capability, & Knowledge to perform all the recommendations listed above.



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