

Transformer Services

Independent Third Party Representatives

Transformer Assembly

Large power transformers are generally shipped disassembled and void of oil. Dynamo Electric can supervise the assembly and filling of your transformer or we have the manpower, equipment and expertise to fully assemble and vacuum fill any size of transformer for you.

Commissioning

Once a transformer is assembled on board protective devices send trip and alarm signals to various devices to notify operators of problems or impending problems. Correct wiring of these devices is critical if transformer is to operate as designed. *Dynamo Electric* can calibration test the protective devices and controls to ensure all is operating as per design.

Testing

Regular testing of your transformer will inform you on its condition. With this information at hand, informed decisions can be made when to take corrective action avoiding unexpected downtime. There are many tests that can be performed on a transformer. *Dynamo Electric* can tailor a testing regiment for the operating environment and critical nature of any transformer. The following is a list of tests *Dynamo Electric* performs:

- ✓ 10kV Power Factor Testing
- ✓ Dielectric Absorption Testing
- ✓ Insulation Resistance Testing
- ✓ Winding Resistance Testing
- ✓ Dissolved Gas Analysis
- ✓ Capacitance/Dissipation Testing
- ✓ Polarization Index Testing
- ✓ Turn-to-Turn Ratio Testing
- ✓ Insulating Liquid Analysis
- ✓ Protective Device Testing

Maintenance & Repairs

Dynamo Electric takes advantage of the latest developments in transformer repair methods and materials to provide you with reliable repairs and effective upgrades. Through the life of your transformer you will be required to maintain your investment. On-load-tap-changers will need to be inspected on a regular basis, if your transformer is in a corrosive environment it may require painting or maybe have an indicator or protective device replaced. *Dynamo Electric* can assist in all aspects of maintaining your transformer from upgrading controls or fans to total rebuilding.