

Transformer Remanufacturing

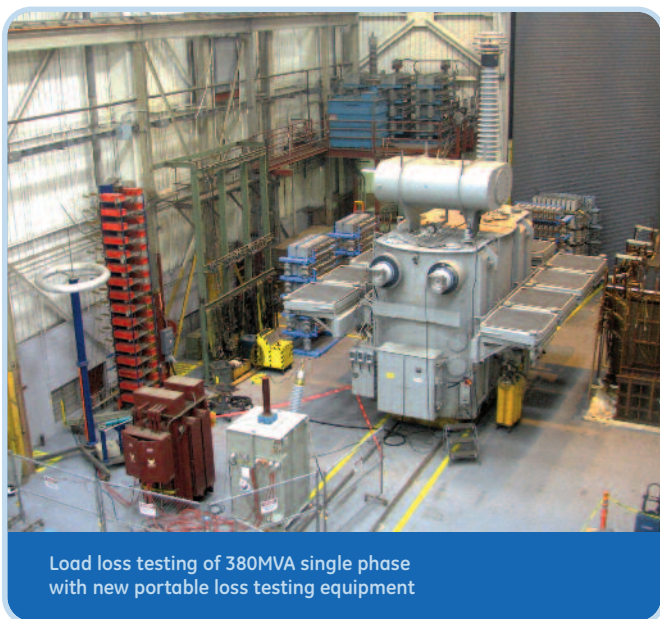
fact sheet

GE has the largest network of transformer repair facilities in North America. Each facility has capabilities to remanufacture and test transformers to any standard. Facilities can handle all sizes and all manufacturers up to 500KV and 500MVA. In addition GE can remanufacture all types of transformers of both core and shell type manufacture including power, mobile, furnace, regulators, dry, rectifiers, reactors, network, rail undercar and phase shifters.

Remanufacture vs. New

In today's market, customers regularly contemplate the benefits of new versus remanufactured transformers. One argument that strongly favors the choice to remanufacture an existing transformer is the confidence that your existing unit will be suitable for your application. Depending upon your particular circumstances, several other considerations also point to remanufacturing as the best solution. With remanufactured transformers you can:

- Reuse existing pad and control cabinet connections
- Maintain existing isophase bus and HV lead locations
- Maintain matched impedance for paralleling
- Reduce repair schedule time (may be half of new)
- Reduce repair costs (may be half of new)



Repair Facilities

- Buffalo
- Philadelphia
- Denver
- Stoney Creek, Ontario
- Los Angeles

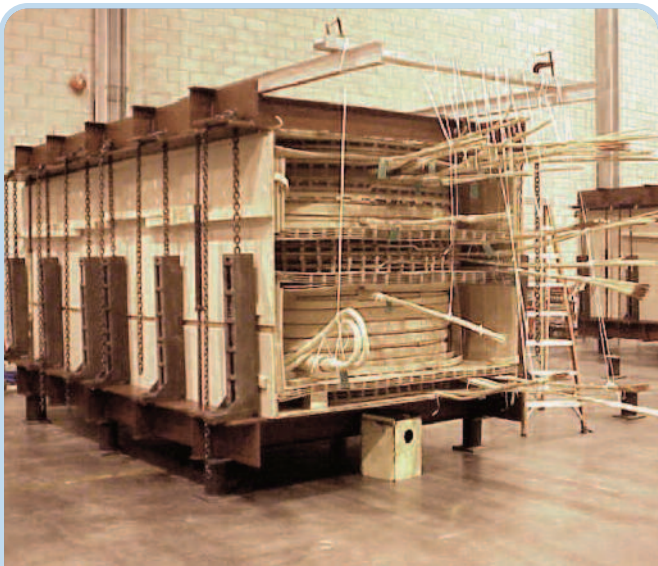


Many older transformers were designed conservatively; as a result these units possess greater upgrade capabilities than newer units. Improvements include:

- Easily upgraded to increase MVA, BIL, cooling
- Larger size allows for excellent short-circuit strength improvements and often better strength than new
- Higher overload capacity

Additionally, because we maintain the original design records for GE and several other manufacturers, our repair facilities can begin the remanufacturing process prior to receiving your transformer at our shop.

Design data availability also allows GE to provide spare coils for critical units that can reduce future repair cycles by up to half.



Reassembly of shell form phase package

Repair Options and Upgrades

Depending on the situation, GE can upgrade components or design of transformers to meet your needs.

- LTC mechanism upgrades or replacements with current technology
- Mechanically upgraded coil clamping (dashpots) to meet short-circuit withstand and also to improve overall life
- Tank repairs and modifications
- Provide new fluids such as FR3, silicone or Luminol.

Complete Solutions

GE offers complete repair solutions that provide all of the logistics, engineering and project management functions for any job. (See GE fact sheet GEA18002)

- Transformer Field Services – GEA18002
- Portable induced testing through any size and voltage – GEA17945
- Portable no load loss, load loss and temperature run testing through 500KV – GEA18461
- Portable impulse testing through 500KV – GEA19874
- Onsite rewind to 1000MVA – GEA19210
- No load loss, load loss and heat run testing on site with GE's portable equipment, (see GE fact sheet GEA18461)
- NuAir – GEA18459A
- HV troubleshooting on site with GE's portable induced potential trailers (See GE fact sheet GEA17945)
- Complete remanufacturing/upgrade services
- Assembly, vacuum oil processing and testing
- Disconnect and reconnect isophase, HV connections, control power, etc.
- Permits for moving heavy loads, air quality, disassembly, rigging, transportation
- On-site Impulse Testing – mid 2012

For more information please contact your local GE Energy sales representative OR call 1-888-434-7378 or 540-387-8617. Or visit us at www.geindustrial.com/services.

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