



## DRY TYPE TRANSFORMER REPAIR PROCEDURES

### Reconditioning<sup>1</sup>:

- Perform preliminary tests
- If transformer fails any test, customer will be contacted to determine course of action
- If transformer passes all tests, reconditioning process will begin
- Disassemble enclosure (if quoted and received)
- Take inventory of broken, defective or missing parts and notify customer
- Clean core and coil assembly to remove dust, dirt and other contaminants
- Bake core and coil assembly to remove moisture
- Replace any broken, defective or missing parts (if approved by customer)
- Clean, prime and paint enclosure (if quoted and received)
- Perform final tests
- Reassemble enclosure (if quoted and received)
- Prepare for shipment

### Rewinding<sup>2</sup>:

- If there is no visible sign of failure, preliminary tests will be performed
- If transformer passes all tests, customer will be contacted to determine course of action
- Disassemble enclosure (if quoted and received)
- Take inventory of broken, defective or missing parts and notify customer
- Collect data from core and coils
- Disassemble core and remove old coils from core
- Check core for signs of damage/overheating; notify customer if found
- Wind new coils
- Bake core and coil to remove moisture
- Varnish coils and bake to cure
- Install new coils onto core; reassemble core and core frame
- Clean, prime and paint enclosure (if quoted and received)
- Perform final tests
- Reassemble enclosure (if quoted and received)
- Prepare for shipment

1) Transformers will be reconditioned upon receiving a written purchase order. This classification of repair is minor and covers transformers that do not require rewinding of the coils. Areas of reconditioning are performed on an “as needed” basis. Transformers may be reconditioned in one or more of the ways above.

2) Transformers will be repaired upon receiving a written purchase order. This is a general summary of the rewinding procedures for a dry type transformer. Actual procedures may vary with each transformer.