

# TRANSFORMER REPAIR



Emerald Transformer provides comprehensive repair, refurbishment, and OEM warranty services on all types of oil-filled electrical equipment. This ranges from minor transformer repair, reconditioning, and rewinds to complete refurbishment of polemounts, padmounts, reclosers, regulators, and substations. Prior to reconditioning, all units are tested twice with a Megger and Ratio Test to ANSI and IEEE standards to establish the unit is electrically sound.

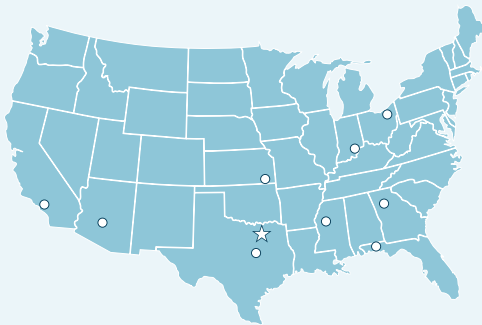
We guarantee the highest quality and workmanship of our products and offer an industry-leading **5-year warranty**. We offer fully reconditioned units, as well as primary and secondary rewinds using copper. We accommodate all customer specifications and rebuild the unit by replacing any broken parts and installing new gaskets and pressure relief valves (PRVs). Based on the specifications, we can also install parts like an internal fault detector (IFD) or wildlife guard. Units are then filled with new mineral oil or FR3 fluid. Tanks are sanded, prepped, primed, painted, and then custom labeled to customer specifications.

Our facilities serve customers throughout the country with professional pickup, delivery, and customized handling on every job. Regularly scheduled shipments between our nationwide network of facilities enable us to provide delivery services at competitive prices.

In addition, our skilled field technician teams can perform on-site diagnoses and repairs throughout the United States.

## OUR SERVICES

- Transformer Repair
- Transformer Decommission
- PCB Disposal
- Oil Services
- Field Decommission
- Field Technical Services
- Sold from Stock
- Transformer Parts



- Nationwide Coverage
- 10 Locations
- 350+ Employees
- EPA-Permitted Facilities

## IN-HOUSE SERVICES

### RECONDITION

- Unit tested at multiple stages to ensure it is EOK (electronically sound)
- Bake-out performed, if necessary, to remove any residual moisture
- Defective parts repaired and replaced, including new gaskets and pressure relief valves (PRVs)
- Filled with new mineral oil or FR3 fluid, sanded, repainted, and decal
- Final Phenix test performed to ANSI/IEEE standards in order to offer 5-year warranty

### REWIND

- Appropriate when a coil is no longer fit for service
- New coil is built to match existing core steel
- Unit tested, filled with new mineral oil or FR3 fluid, repainted and new decals

## TESTING

All transformers are tested to ANSI and IEEE standards. Final testing is done on a Phenix Transformer Test Set and includes Insulation Resistance, TTR, Hipot, Lopot, Polarity & Phase Relation, No-Load Loss & Excitation Current, Load Loss & Impedance Voltage, Pressure, and Induced Potential Testing.

## FIELD REPAIR SERVICES

- Transformer Testing
- Transformer Leaks
- Bushing Replacement
- Fuse Replacement
- Oil Retrofill
- Radiator Repair
- Gauge Repair
- Forensic Failure Analysis
- DGA and Furan Sample Analysis
- External Sample Valves

INDUSTRY-LEADING QUALITY CONTROL SUCCESS RATE & 5-YEAR WARRANTY



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**TRANSFORMER REPAIR**

**TRANSFORMER DECOMMISSION**

**PCB DISPOSAL**

**OIL SERVICES**

**FIELD DECOMMISSION**

**FIELD TECHNICAL SERVICES**

**SOLD FROM STOCK**

**TRANSFORMER PARTS**