

Transformer Regasketing Expertise

Maintain Transformer Integrity — Be Environmentally Responsible



Leaking transformers can be a costly problem:

- Oil getting onto the ground and possibly into groundwater can be expensive to remedy; leaking oil can carry lead from transformer paint (if paint is lead-based) into the ground causing further contamination.
- Leaks above the transformer oil can allow the nitrogen blanket to escape, causing more frequent nitrogen bottle replacement if provided with a positive pressure system.
- Moisture and oxygen can enter a transformer through leaking gaskets causing accelerated aging of insulation and insulation failure.

Waukesha Service can help solve your leak problems! We fix the leaking locations or completely regasket all transformer openings and reprocess the oil to put your equipment back in good condition.



STEPS INVOLVED IN REGASKETING A TRANSFORMER:

- 1) Acceptance of Clearance (by Waukesha and customer)
- 2) Ground Transformer (by Waukesha and customer)
- 3) Establish Baselines
 - Review latest oil test reports
 - Perform power factor, megger, TTR and oil quality tests
 - Operate LTC and cooling systems
 - Check bushings and arresters
- 4) Analyze Baseline Data for Problems
 - Recommend corrective actions
- 5) Drain Oil into Waukesha Provided, Certified Clean Tankers
- 6) Regasket All Openings on Outside of Tank
 - Bushings
 - Manholes / Handholes
 - Radiators / Coolers
 - LTC Doors
 - Pumps (inspect, test, rebuild or replace if required)
 - Valves (repack, rebuild or replace)
 - CT Blocks (remove and replace if required)
- 7) Visually Inspect LTC for Problems and Advise
 - Provide lease kit for use if repairs are required
- 8) Pressure Test with Dry Air
- 9) Perform Vacuum Drop Test
- 10) Pull Vacuum/Process Transformer per Customer Specifications
- 11) Refill Transformer with Vacuum Degasified Oil
- 12) Implement System Checks
 - Power factor, megger, TTR
 - Alarms
 - Calibration of temperature gauges
 - Cooling
 - Fault pressure relay and gas detector relay
- 13) Compare System Checks to Baselines
- 14) Walk-Through with Customer
- 15) Unground Transformer
- 16) Issue Final Project Report



ADDITIONAL SERVICES

In addition to regasketing, Waukesha Electric Systems possesses the equipment, experience and capabilities to complete other repairs and/or upgrades you may elect to perform while the transformer is already out of service. These include insulation dryouts, bushing replacements, LTC repairs/upgrades and internal inspections including condition assessments. Our highly trained technicians offer years of industry experience and an outstanding field service record for professional handling of your service needs.

Contact Us for Additional Information on
Our Extensive Range of Services:

call 800-758-4384

visit www.WaukeshaService.com



Emergency Service Available 24/7/365: 888-365-24X7

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SRV-GSKT-058 (Rev. 9/07)