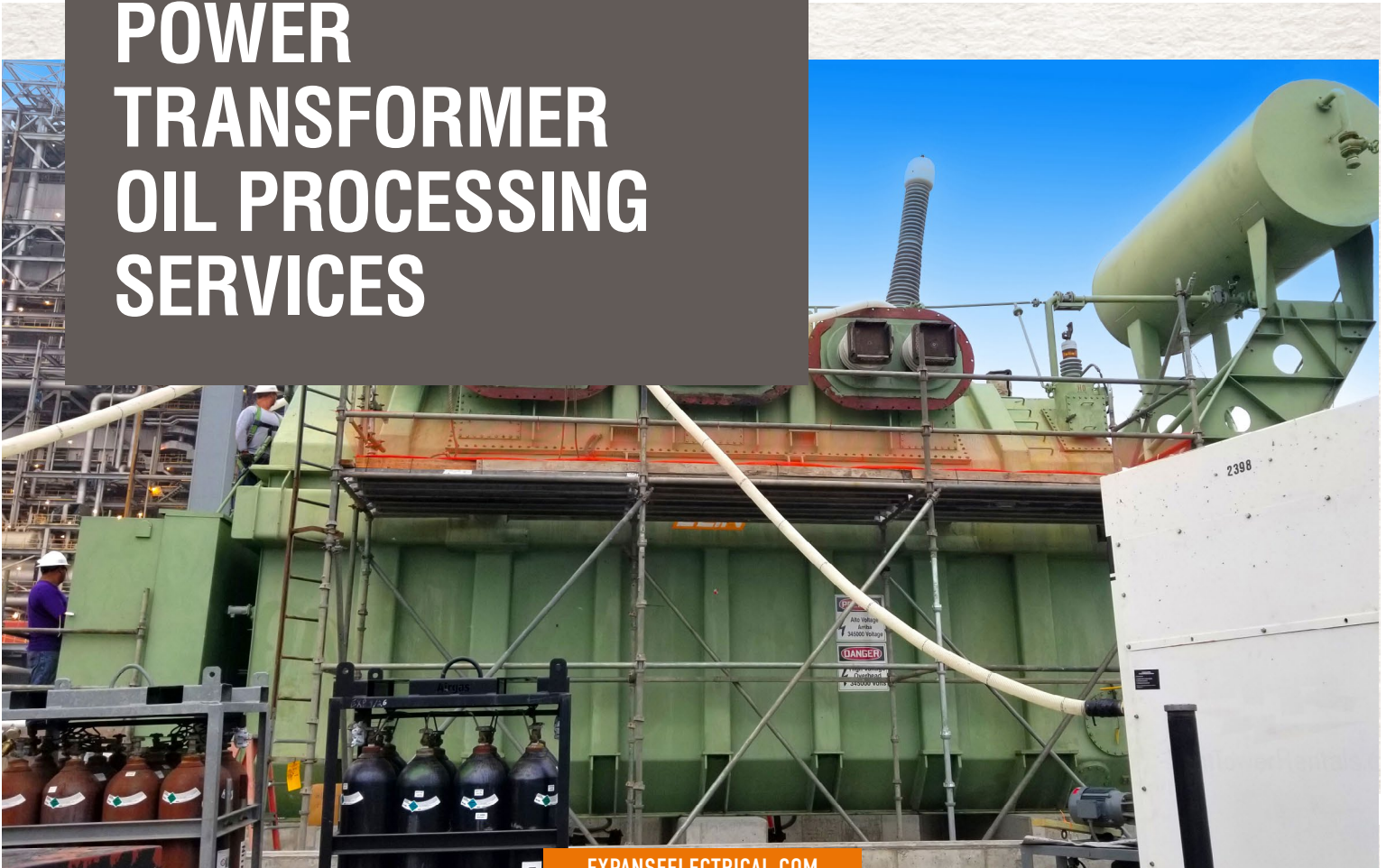


POWER TRANSFORMER OIL PROCESSING SERVICES



EXPANSEELECTRICAL.COM



The Expanse Advantage

- Experts in the field
- Fully owned and operated self-contained mobile oil processing rigs and equipment
- Oil processing capability at rates up to 2000 gal/hour
- Turnkey approach to transformer installation, inspection and maintenance
- Inspection and testing that adheres to ASTM standards

Power Transformer Oil Processing Services from Expanse

Assembling and prepping a new power transformer for successful operation requires a team well-versed in proper installation techniques, especially one with a keen understanding of oil processing. Dielectric fluid or oil processing service dries transformers and prepares mineral and ester-based insulating fluids. This oil process is a critical stage in taking a transformer online.

Expanse's oil processing team is prepared and equipped to respond to and keep your power transformer online, helping to prolong the life of the transformer. We thoroughly evaluate each system's specifications to properly vacuum degasify, dehydrate and prepare new or used oil for installation, pull a vacuum on the transformer, and complete the oil-filling process and associated testing.

Capabilities & Solutions

POWER TRANSFORMER INSTALLATION OIL PROCESSING CAPABILITIES

When your newly installed transformer is ready for oil, our highly experienced Expanse team is prepared and equipped to respond.

INSTALLATION CAPABILITIES:

- Oil hauling
- Oil draining
- Onsite oil storage
- Dress out including Bushing installation
- Degassing, dehydrating, and vacuum processing
- Gauge calibration
- Ready-for-service verification and acceptance testing



INSPECTION, TESTING AND ONGOING MAINTENANCE CAPABILITES

Expanse's oil processing inspection, testing and ongoing maintenance services help prevent potential hazards and downtime due to the presence or buildup of combustible gases or dissolved particles in your transformer. Our processes ensure accurate results with all inspections and lab testing procedures which adhere to globally recognized American Society for Testing and Material (ASTM) standards.

MAINTENANCE CAPABILITIES:

- Electrical testing
- Materials and oil testing:
 - Oil general chemistry
 - Dissolved Gas Analysis (DGA)
 - Furfural analysis
 - Particle count
 - Metals-in-oil analysis
 - Degree of polymerization
- Degassing and vacuum processing
- Moisture reduction
- Hot oil cleaning
- Bushing replacement or leak repairs
- Load tap changer services repairs and upgrades
- Retro filling with natural ester fluid
- Reporting

Why Expanse?

- 24/7 Emergency Response
- 70 Years of Experience
- Turnkey Services & Solutions
- Experienced Craftsmen
- Local Expertise on National Scale
- Customer Support Across Geographical & Operational Spectrums