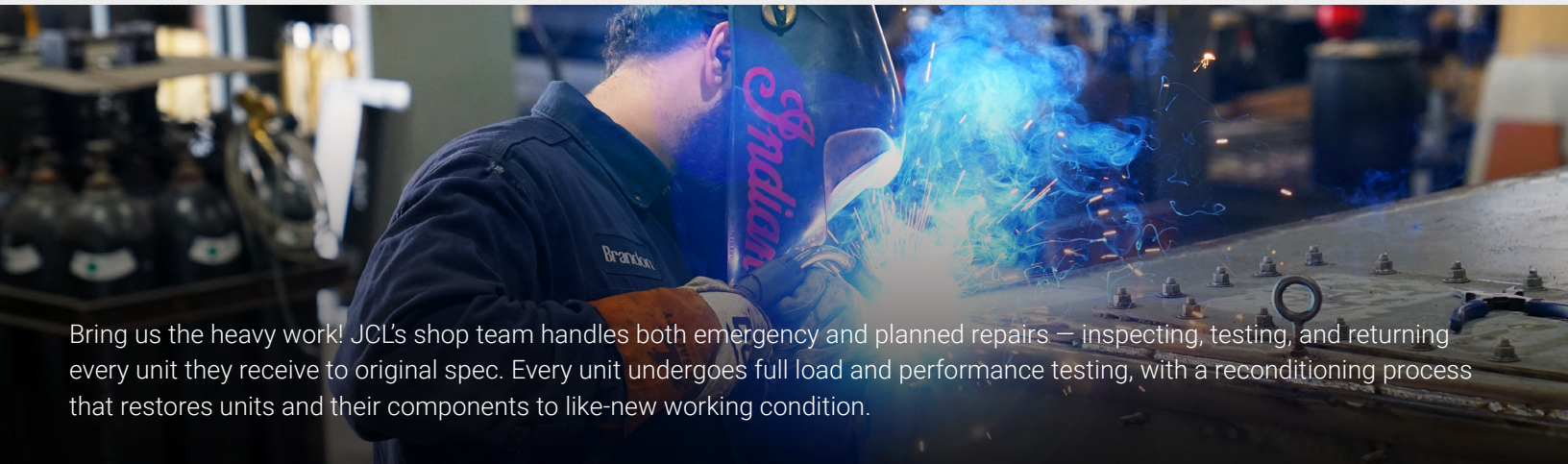




IN-HOUSE SHOP EXPERTISE

REPAIR / RECONDITIONING



Bring us the heavy work! JCL's shop team handles both emergency and planned repairs — inspecting, testing, and returning every unit they receive to original spec. Every unit undergoes full load and performance testing, with a reconditioning process that restores units and their components to like-new working condition.

Repair Capabilities

- Component Replace (Bushings, Gauges, Valves)
- Megger / TTR / Resistance Testing
- Oil Sampling / Analysis (DGA, Moisture, PCB)
- Rewinds / Pulling Turns
- Remote Sample Device Installations
- Oil Processing / Fluid Top Off
- Internal Inspections / Field Dress & Test
- Component, Gasket & Radiator Leak Repairs

Testing Capabilities

Low Power Transformer Tests

- Turns Ratio
- Winding Resistance
- Insulation Resistance
- Doble Insulation Power Factor
- Single-Phase Excitation
- Doble Sweep Frequency Response Analysis

Watts Losses & Impedance

- Current Loss Measurement
- No Load Losses up to 4160 V
- Load Loss & Impedance

Other Tests

- Tank Leak Test / Pressure Test
- Dew Point Tests

Reconditioning Process

1. Incoming Evaluation

Detailed inspection / electrical evaluation establish as-received condition, including visual inspection, nameplate verification, and electrical testing.

2. Oil / Fluid Analysis

Oil samples undergo Dissolved Gas Analysis (DGA) to assess internal condition, plus PCB sampling to confirm environmental compliance.

3. Fluid Drain & Regasketing

Unit is drained and all bushings, valves, gauges, radiators, and accessories are regasketed to restore oil-tight integrity.

4. Refill & Pressure Testing

Unit is refilled with processed or new insulating oil, then pressure tested to confirm seal integrity.

5. ANSI-Compliant Testing

Tests per ANSI/IEEE standards verify reliability and safety, including insulation resistance, power factor, turns ratio, and winding resistance.

6. Pressure Wash

Exterior is pressure washed and degreased to remove residual oil, dirt, and contaminants.

7. Surface Prep / Paint

Tank is cleaned and prepped — by sanding or abrasive blasting — then coated with industrial-grade paint for durability.