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Core Condensed Recon Process

1. **Inspection upon Arrival**

   1.1. Weather Customer repair or Surplus buy, Core Transformers put the units through a incoming inspection process. The process consists of Preliminary testing (Winding insulation resistance, Turns Ratio Test, Winding Resistance, Oil Quality testing (including PCB evaluation)).

2. **Reconditioning Process**

   2.1. From initial inspection process we will determine the extent of reconditioning Process we put a unit through (general recondition, untank and bakeout).

   2.1.1. General recondition- remove all components, replace defective parts and replace, regasket all components and devices. Tank modification maybe require to meet customer expectations.

   2.1.2. Untank and Bakeout- Removal of Core and Coil assembly from tank to eliminate moisture condition or modify Core and Coil to meet Customer expectation, repeat step 2.1.1 during final assembly.

3. **Oil Purification or Replacement Process**

   3.1 During inspection process, fluid is determined to be reusable or replace, Customer may determine they want to upgrade their fluid requirements at this point (Mineral Oil, Silicone, Rtemp, FR3).

   3.1.1. Process original fluid using a Oil Vacuum Dehydrator.

   3.1.2. Replace original fluid with fluid of customer choosing.

4. **Final Formal Test**

   4.1 Standard Formal Test consist of- Winding Insulation resistance (Megger), Turns Ratio Test (all taps), Winding Resistance (all taps), No load and Full load losses, Excitation Current and % Impedance.

   Additional Testing can be perform if required.

5. **Prep and Paint Process**

   5.1. Sand and Paint Original Surface, (ASA 32 Green (Munsel Green), ASA 70 Gray, or custom color required per customer request).

   5.2 Sandblast and Paint unit, primer coat will be applied to all bare metal surfaces followed by step 5.1.

   5.3 Perform Step 5.1 or 5.2 along with a Coil Tar undercoating process.

6. **Final QC Process**

6.1 This process consist of- pressure testing, accessing all components match customer order requirements, paint quality, finish component safety labeling, Quality Control documentation and Quality control labeling.