

Electrical Test

Central Moloney, Inc.
An ISO 9002 Certified Company



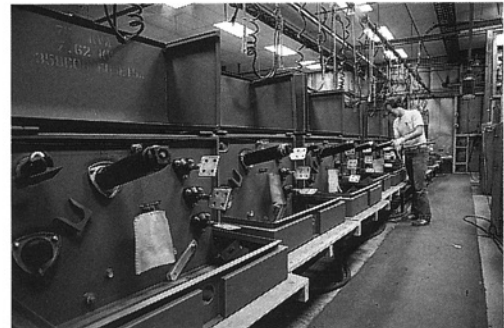
Product Data Sheet

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Electrical Testing Program

The following is a list of the electrical tests which are performed on Central Moloney, Inc. transformers per applicable ANSI, IEEE, REA and NEMA Standards.

The production tests are conducted on one of three production line test facilities. The test data is analyzed by computer for adherence to predetermined limits and customer guarantees. Production test reports are available for each customer upon request. They can be mailed annually, semi-annually, quarterly or monthly in either paper or magnetic disk format. Test reports are also available on paper with each invoice or by e-mail transfers.



A wide range of electrical tests are performed on all Central Moloney transformers.

Design tests, including short circuit testing, are conducted in the Pine Bluff factory test facilities. This extensive facility is fully equipped to handle high current, dielectric sound level, and thermal rise tests to assure compliance with all applicable standards. Certified test reports of design tests are also available upon request.

I. 100% TESTING

- Ratio
- Polarity
- Core (no load) at 100% Voltage
- Exciting Current at 100% Voltage
- Conductor (Load) Loss
- Impedance
- Applied Potential
- Induced Potential
- Impulse (HV Winding Only) Full Waves
- Radio Interference (12000 Volt Windings and Above)
- Circuit Breaker Operation (Light, Trip and Reset on Full Windings)

II. AUDIT TESTING

- Power Factor and Megger (10%)
- Core Loss at 105% Voltage (5%)
- Exciting Current at 105% Voltage (5%)
- ANSI Impulse (1 unit all windings of new design)
- Sound Level (all new designs and random checks)
- Radio Interference (10% minimum checks on windings below 12000 volts)
- Circuit Breaker Operation (half windings) upon request at added cost
- Thermal Rise (all new designs)
- Short Circuit Withstand (representative sampling of designs and new designs)
- Telephone Interference (new designs and random checks)