



Preventive Service for **Distribution Transformers with Expansion Tank**

Preventive service is for the safe and reliable operation of the transformers. This detects deficiencies at an early stage and can prevent failure and performance improvement of assets.

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Preventive Service for Distribution Transformers with Expansion Tank



A transformer is the essential equipment within an electrical substation. Perform preventive service activities to ensure the transformer maintains a high level of performance and a long functional life.

To ensure maximum availability, operational reliability, and optimal user experience during the whole lifecycle, we offer regular preventive service activities to be performed from time to time.

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the conducted contract.

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Scope of Services

Measures to be performed

- Visual inspection
- Check the tightening torques of the bolt and nut
- Check for leaks
- Functional check of the dial thermometer
- Functional check of the control cabinet wiring.
- Functional check of the Buchholz relay
- Functional check of the oil level indicator
- Operate the tap changer several times
- Check oil level
- Cleaning the bushings and shorting bars
- Cleaning the transformer surface
- Replace the silica gel, if necessary

Optional

- Electrical tests
 - Turn ratio test
 - Insulation resistance winding test
 - Insulation resistance core/clamp test
 - Winding resistance test
- Oil sample collection (according to IEC 60475)

Your benefits

- High skilled and experienced field **service personnel**
- **Reduce operational risks** through high quality procedures and standards
- **Reduce downtime costs**
- **One partner** for your distribution system assets

Service Execution: Service Contract

Basic SLA

- Visual Inspection
- Functional Checks (electrical, mechanical, electronics)

Advanced SLA

- Electrical test
- Oil sample collection (optional)

Documentation

- Test report
- Site check list report

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