

Insulation Testing of Turbo Generators

Turbo Generators are designed for operation over a long period of time. High quality stator winding insulation is an important factor to achieve the expected reliability and forced outage rates. This course will provide basic description of stator insulation components and systems. It will include an overview of technical principles, applications and testing requirements outlined in IEEE 56, IEEE Guide for Insulation Maintenance of Electric Machines, along with some points from IEEE 4, 43, 95, and 286.

Course Outline:

Part 1 – IEEE 56

Part 2 – IEEE 4 and 43

Standard Techniques for High-Voltage Testing and Insulation Resistance Testing

Part 3 – IEEE 95

DC testing

Part 4 – IEEE 286

Power Factor Tip-Up Testing

Part 5 – IEEE 97

Diagnostic Test Methods

Who Should Attend?

- Engineers who require testing and inspection of electric machines especially turbo generators
- Maintenance, Service and Technical staff responsible for electrical machinery
- Management of any level

Key Benefits:

Upon completion of this course, attendees will be able to:

- Provide a basic description of stator insulating components and insulation systems
- Describe the types of tests for machine insulation
- Provide pros and cons of various tests
- Review of typical parameters and example results

Duration and Price:

½ Day
 - \$

Register now:

On-line: [www.](#)
 E-mail:

If you have any questions regarding Short Courses please contact: Inna.Kremza@voith.com



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