

Theory and application of Stator Core Testing

The stator core is a major component of a generator and core faults and associated repair or core replacement necessitates major disassembly of other parts of the machine. Information on condition of the core is therefore significant, but is increasingly difficult to obtain at frequent intervals. Low power core testing can be performed more quickly and easily than traditional full flux methods and may need to be considered an indispensable tool to increase or maintain essential monitoring levels.

Course Outline:

Module 1 – Core Design

Module 2 – Core Test Calculations

- Relevant IEEE Standards

Module 3 – Loop Test

- Set-up
- Limitations

Module 4 –Low Power Core Tests

- Different Approaches
- Advantages and Limitations



Presenter: Mladen Sasic, P.Eng

Who Should Attend?

- Engineers interested in design and core testing of High Voltage Rotating machines
- Maintenance, Service and Technical staff responsible for electrical machinery systems
- Management of any level
- Consultants who are looking for tools to provide additional solutions to their clients efficiently

Key Benefits:

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

- Describe the steps to perform machine forensics
- Identify when a forensics should be performed
- Select optimal RCFA approach
- Learn from case studies and practical solutions based on field examples
- Interactive instruction and walk-through of a forensic investigation

Duration and Price:

1 Day 8:30 – 17:00
- \$X+GST

Register now:

On-line: www.
E-mail:

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