ABB Ability™ Condition Assessment for motors and generators

Efficient service to ensure high uptime
The stator winding insulation is the most uptime critical component in high-voltage motors and generators. Knowing its health is vital for effective and reliable maintenance. ABB Ability™ Condition Assessment enables you to detect potential problems in the stator winding insulation well before they become critical and cause extended downtime.

ABB performs the testing and analysis on a single occasion which can be combined with normal maintenance.

The results of the assessment and the recommended actions enable you to prioritize and optimize maintenance to ensure the reliable operation of your motors and generators.

Based on ABB Ability™ LEAP life expectancy analysis program
ABB Ability™ Condition Assessment is based on the advanced ABB Ability™ LEAP program, which along with assessing the condition of the stator winding insulation, also analyzes the equipment’s life expectancy.

Benefits
• High uptime – early detection of potential problems before they can cause costly unplanned downtime
• Valuable information on equipment condition to be able to make informed run/repair/replace decisions
• Maintenance activities can be prioritized and optimized
• Service is available for all motors and generators regardless of the manufacturer

ABB Ability™ Condition Assessment is an efficient service to analyze the condition of the stator winding insulation in motors and generators up to 5 kV. Potential problems can be detected at an early stage, ensuring high uptime.
ABB Ability™ Condition Assessment process

**Mapping of the installed base**
Review your installed base with a local ABB technician and decide which motors and generators to assess.

**On-site measurements**
A local ABB technician brings all the equipment needed for the tests and performs the measurements during a normal maintenance break. The data is uploaded to a portal.

**Data analysis**
An ABB expert analyzes the data using an advanced empirical model that is based on the results of more than 10,000 tests.

**ABB expert report**
You receive a detailed report with the results of our analysis and recommended actions. You can also access your report via myABB, our 24/7 online customer portal.

**Making the right decisions**
Up-to-date information on the status of the condition of your motors and generators enables you to make informed decisions about the maintenance and management of your equipment.

**Planning maintenance activities**
Prioritize and optimize the maintenance plan and secure high reliability for your motors and generators.

**Optional service activities**
Additional service solutions from ABB provide condition information on other equipment, paving the way for more comprehensive preventive maintenance planning.

For more information, please contact your local ABB representative or visit:

new.abb.com/motors-generators/service