ABB Ability™ Condition Assessment
for motors and generators

Streamlined service ensures 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 is a service
whereby an ABB expert performs a series of
measurements during a maintenance break. The
measured data enables detection of potential
problems in the stator winding insulation, long before
they become critical and cause extended downtime.

ABB can perform the testing and analysis during a
single visit, which can be combined with normal
maintenance. Assessment results and recommended
actions enable maintenance to be prioritized and
optimized to ensure the reliable operation of motors
and generators.

Due to the compact size of the analysis equipment
measurements can also be taken in applications with
limited space, such as those in wind turbines or on
board marine vessels.

Benefits
• High uptime – early detection of potential problems
  before they cause costly unplanned downtime
• Valuable information on equipment condition
  enabling informed run/repair/replace decisions
• Maintenance activities can be prioritized and
  optimized
• Suitable for applications with limited space
• Applicable for all motors and generators
  regardless of the manufacturer

ABB Ability™ Condition Assessment is a service that analyzes the
condition of the stator winding insulation in motors and generators
up to 5 kV. Potential problems can be detected early, 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

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