#1 WHAT IS THE PROCESS USED FOR A REMAINING LIFE ASSESSMENT (RLA) OF ROTORS AND ACCURACY RATE?

A: GE leverages our records and knowledge of each generator to create modelling tools that enable us to assess the risk level. Although the exact process and data used is considered proprietary to GE, you can certainly contact your local sales account manager to continue that discussion.

#2 WHAT ARE THE MOST COMMON SIGNS OF A FAULTY GENERATOR ROTOR?

A: Some common signs include:
- Shorted turns
- Vibration issues
- Excitation current increases to maintain output
- Inability to maintain output due to excitation limitations

These are all issues that can be determined while the rotor is running. More obvious issues are a grounded field or other condition that would trip the unit. Monitoring the condition of the rotor through products like GE’s Generator Health Monitoring system will often tracking and trending of issues.

#3 ARE THERE ANY OTHER GENERATOR COMPONENTS OR ACCESSORIES THAT NEED TO BE REPLACED OR UPGRADED WITH THE ROTOR?

A: GE will assess the exchange rotor against your unit’s current configuration and determine if further replacement parts or modifications are needed. Some units won’t require modification to accept an exchange rotor.

Common modifications include:
- Oil deflectors
- Bearing liners
- Hydrogen seals
- Excitation system settings

#4 HOW LONG DOES IT TAKE TO REPAIR A GENERATOR ROTOR WINDING?

A: Cycle time for a winding repair will vary depending on the work required. A full field rewind will take about 30 days, depending on the model type and scope of work. But some repairs can be performed in as little as 1-2 weeks.

#5 CAN GE DETERMINE IF AN EXCHANGE ROTOR IS COMPATIBLE WITH MY UNIT?

A: Yes we can!

The GE team is very experienced in performing the interchangeable study required to determine if an exchange rotor will fit. As the unit OEM, we have the original unit records, along with repair records and outage reports. Additional information from the customer may be required to augment the information we have available.

#6 WHAT ROTORS ARE AVAILABLE IN STOCK AND DOES THE LIST INCLUDE OEM GENERATORS?

A: We carry many models in our exchange program but availability varies with each outage season. Common models like 7FH2, 324, 7A6, 330H, 7FH2-B and 9A5 are certainly within our program.

Looking for additional information?

WATCH OUR ON-DEMAND WEBINAR to learn how to make sure routine maintenance doesn’t extend the duration of your outage.

Looking for a quote?

CLICK HERE to contact your account manager.