

Life extension planning

2+ **Yes** answers suggest you should begin lifecycle planning.

- Is your generator 25 years old or older?
Yes No
- Has it been 10–15+ years since major stator or rotor work?
Yes No
- Are most parts the original components?
Yes No
- Do you plan to operate this unit another 10 years or more?
Yes No
- Do you plan frequent cycling (starts/shutdowns/load changes) for the foreseeable future?
Yes No

Inspection & maintenance signals

Any **Yes** answers indicate growing reliability risk.

- Has it been more than 24,000 operating hours or 900 starts since the unit's last inspection?
Yes No
- Have inspections noted any type of insulation degradation or stator bar damage?
Yes No
- Are vibration or temperature trends slowly increasing?
Yes No
- Have auxiliary components been excluded from inspections?
Yes No
- Have known issues been delayed for an upcoming outage?
Yes No
- Are there unaddressed recommendations from GE Vernova's Technical Information Letters (TILs) for generators?
Yes No

Monitoring & diagnostics

Mostly **No** answers suggest you have blind spots between outages.

- Are leakage current or partial discharge trends reviewed over time?
Yes No
- Is generator health visible between outages?
Yes No
- Are monitoring tools aligned with today's cycling demands?
Yes No

Cooling system integrity for water-cooled units

Any **No** responses mean increased risk of insulation damage.

- Are water chemistry and conductivity actively trended?
Yes No
- Do you have early leak-detection capability?
Yes No

Rewind planning & parts readiness

Mostly **No** answers point to schedule and downtime exposure.

- Have you evaluated rewind needs within the next decade?
Yes No
- Are critical components available if a failure occurs?
Yes No
- Has planning started 18-36 months ahead of major work?
Yes No

What your answers indicate

Each section evaluates your potential risk and exposure for unplanned aging generator issues in key areas. Reach out to your GE Vernova Steam Power account manager with the results of your self-assessment to begin strategic planning for your aging generator needs.