

Repair Services for Governors, Pumps and Permanent Magnet Generators

Expert Support and Spare Parts



Repair Services

Emerson offers repair services for major governor auxiliary systems like governor oil pumps, air brake valves and permanent magnet generators (PMGs). Factory repairs save you money compared to a service call and allow us to perform additional services that are difficult or impossible to do in the field.

Factory repair services are available for:

- Governor oil pumps (Woodward, IMO and Dew)
- Permanent magnet generators (Woodward or Pelton)

Governor Oil Pumps (Woodward, IMO and Dew)

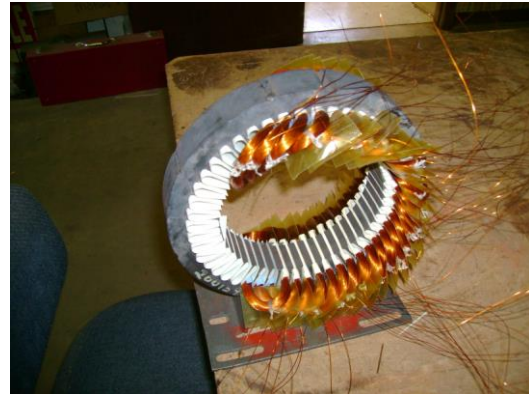
Governor oil pumps are very robust, and with routine maintenance will usually last the life of the powerhouse. In addition to basic pump overhaul services, we offer advanced repair services and have been able to repair some severely damaged pumps that customers thought were beyond saving.

A basic pump overhaul includes:

- Disassemble, clean and inspect pump and unloader
- Replace four pump bearings and one motor bearings
- Inspect and dress herringbone gears
- Install new gaskets, seals and O-rings
- Reassemble and adjust end clearance to OEM specs

Advanced repair services can include:

- Side grind the drive and idler gears to maintain proper centering of the gears when meshed
- Magnaflux inspect drive and idler gear journals for cracks
- Resurface inboard and outboard bearing plates to remove any score marks

*Pump repair**Stator repair*

Woodward or Pelton Permanent Magnet Generators (PMG)

PMGs also have a very long useful life, but they do need periodic maintenance and voltage can degrade over time. We offer a full range of factory services for both Woodward and Pelton units, including:

- Overhaul
 - Disassemble, clean and inspect
 - Upper and lower bearing replacement
 - Test and verify PMG output voltage
 - Test and verify speed switch settings
- Remagnetization
- Stator lead repairs

Emerson is committed to supporting your governors, regardless of manufacturer or model, with parts, field service, technical support, training and engineering for as long as you wish to keep them in service.

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