Preventive maintenance service for low voltage AC drives

Preventive maintenance consists of regular inspections and component replacements according to the product specific maintenance schedule. On-site preventive maintenance is carried out by certified field service engineers. The engineers utilize preventive maintenance material for performing all scheduled maintenance tasks.

1. Service provides

   • Maintenance work by certified field service engineer
   • 100% genuine spare parts
   • Maintenance according to the product specific maintenance schedule. Typical tasks include:
     • Air cooled units
       • Inspection and replacement of cooling fans
       • Cleaning of heat sink
     • Liquid cooled units
       • Inspection and replacement of cooling liquid pumps
       • Inspection and adding coolant inhibitor
       • Cleaning of heat exchanger
       • Inspection and replacement of expansion tank
       • Inspection of pipe connections
       • Inspection and replacement of cooling fans
     • Aging
       • Replacement of capacitors
       • Replacement of control boards that have aging capacitors
       • Replacement of backup batteries
       • Replacement of resistors and diodes
     • Connections and environment
       • Inspection and replacement of flat cables
       • Inspection of terminals and connectors
       • Inspection and replacement of air filters
       • Inspection of contactors and breakers
       • Inspection of optic cables (connections)
       • Inspection for dust ingress, corrosion and temperature
     • Test run of the drive under normal conditions
     • Service report including recommendations for future actions

   Additional services to be agreed separately
   • Inspection of the drive spare part inventory
   • Reforming of spare module capacitors
   • ESD protected cleaning of the drive

2. Service does not include

   • Repair work and spare parts for repair
   • Waiting time caused by the customer or his actions

Specifications subject to change without notice.
3. **Customer responsibilities**
   - Plan maintenance in advance to reserve maintenance resources and service parts
   - Provide all available information about the equipment’s maintenance history
   - Site health and safety introduction and provision of work permits
   - Provision of electrically qualified personnel when assistance is required
   - Ensure safety of the working area (zero energy state, grounding, safety locking)
   - Delivery of maintenance materials next to the installation location
   - Assistance when moving and lifting heavy objects
   - Access to equipment for maintenance during commissioning
   - Enable to test run

4. **Other terms**
   - According to local legislation and terms of delivery