



Optimizing Electric Motor Life

Store

Proper storage techniques are an area many take for granted. Providing a clean, dry, vibration free area for storage is crucial. Where this is not feasible, periodic testing of the motor is important to ensure your spares will be ready to operate when installed. Monthly shaft rotation to redistribute the bearing lubrication and for long term storage filling the cavity completely and changing out the grease yearly is also recommended.

Install

Installation is a critical step in maximizing motor life. Accurate alignment, good connections and proper mounting torque are the key elements to this. Failing to ensure any of these will cause uneven bearing wear and more rapid degradation in the life of the motor.

PM

The ideal PM program is done as needed and only when needed. American MTS utilizes ultrasonic sound trending to determine this. If so, it is added just until the bearing sound stabilizes. This combined with keeping the fan covers clear, cooling fins clean and checking mounting bolts for looseness help prevent premature failure and extend motor life.

CBM

Condition based maintenance and monitoring (CBM) is a strategy that looks at the actual condition to decide when repairs needs to be done. Early failure detection allows sufficient time to plan reconditioning around production without risking further damage and a costlier repair. American MTS has the state of the art equipment required to trend and diagnose issues at the early stage of failure.

Repair

Can you afford a cheap repair? As an EASA accredited service center we strive to provide our customers with a high quality repair at the right time of the motor life. By catching a failure early, the damage is minimized as is the repair cost and turn-around time. So instead of a cheap complete overhaul you can afford a precision repair for hundreds or even thousands of dollars less.

Getting the longest, most dependable life from your motors and eliminating costly unplanned down time, all of the above needs to be considered. American MTS has programs to assist you with any of these areas. Talk to us about our onsite service programs today!

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