

Reduce Motor Noise Failures

Problem

- 3% of AC Induction Motors failed final test due to excessive noise

Objective

- Reduce noise related failures

Results

- Motor feet fitting moved to a different stage in the process
- Motor frame temperature during machining amended and controlled
- Cooling system flow mistake proofed and improved coolant specified
- Variation in Motor frame spigot dimensions reduced
- Measurement systems improved to reduce variation



Business benefit

- Noise related failure rate reduced by 65% saving €52K