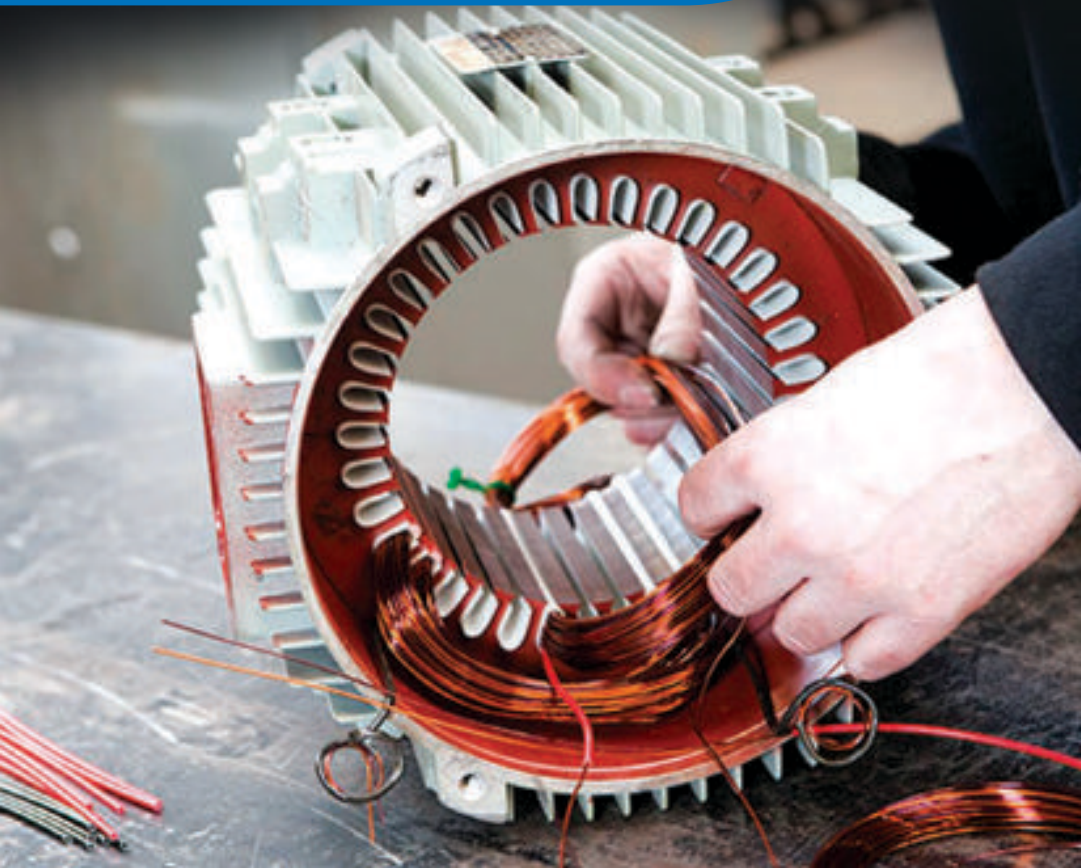




## SKF Certified Rebuilder Program for Electric Motors

Driving repair quality and value for  
the machines that drive your business



The SKF Certified Rebuilder Program for electric motors

# Connecting you with some of the world's leading repair shops

- World-class repairs and diagnostics
- Reduced unplanned downtime
- Improved motor reliability and availability
- Root cause analysis to end recurring failures
- Lower maintenance and total ownership costs
- Higher Mean Time Between Failure
- Quality SKF components and testing equipment
- No loss in motor efficiency
- Minimized energy bills



# Some electric motor rebuilders simply stand above the rest. The SKF Certified Rebuilder Program helps you find them.

Developed as a collaborative effort among eligible repair shops, SKF Authorized Distributors and SKF, the SKF Certified Rebuilder Program enhances the expertise of qualified electric motor repair shops through employee training, equipment and technology upgrades, and new standards for repair consistency and quality.

Combining world-class parts and best-in-class practices, SKF Certified Motor Rebuilders help to provide longer, more reliable, and energy-efficient motor service life, which results in enhanced performance and profitability.

## Promoting best practices to help boost the bottom line



Suffering even the smallest efficiency losses during repairs can increase energy bills over the life of the machine. As energy consumption accounts for the major portion of an electric motor's Total Cost of Ownership (TCO), these costs can be substantial.

And while bearings are the leading symptom of motor failure, most technicians are not trained to investigate the underlying causes of bearing failure, virtually ensuring recurring problems.

SKF provides that training and more, focusing on root cause failure analysis, bearing installation, lubrication and condition monitoring. SKF certified shops also use all SKF components and testing equipment.





## Some motor rebuilds can cost you long after the bill is paid

In addition to generating about 70% of a facility's electricity bill, electric motors also cause their share of premature breakdowns, reliability incident reports and related productivity losses. Unfortunately, choosing the wrong rebuilder for repairs can actually increase operating costs over time.

If electric motor repairs or diagnostics are not conducted according to best practices, machine efficiency can drop by several percentage points. Independent research shows that even small efficiency losses from repairs can lead to higher energy and maintenance costs. Misdiagnosed problems and poor quality rebuilds can cause several expensive problems, including:

- **Premature bearing failures**
- **Higher energy costs**
- **Recurring motor failures**
- **Greater risk of unplanned downtime**
- **Increased maintenance demands**
- **Shorter Mean Time Between Failures**

### **Save money long-term with an SKF Certified Rebuilder**

An SKF Certified Rebuilder can demonstrate that recurring breakdowns and unplanned downtime are not an inevitable cost of doing business. On the contrary, a properly rewind motor can be as efficient as it was when new. SKF Certified Rebuilders utilize best practices in diagnostics and repairs to deliver maximum long-term electric motor efficiency with minimum energy and maintenance costs.

# Why SKF?

## Bearings are just the beginning



Between 40% and 70% of motor failures are bearing-related, so it's no surprise that high-quality bearings are the key to motor reliability. But the right bearings alone won't deliver it. The way in which parts are installed, lubricated, handled, stored, aligned, balanced, tested, transported and maintained is equally important.

SKF Certified Rebuilders are trained so that they are able to handle all aspects of motor rebuilds properly. This quality focus includes a strict adherence to best practices and local regulations regarding health, safety and environmental concerns.

## Training and testing to make great shops better

SKF Certified Rebuilder technicians complete extensive training in electric motor analysis, bearing installation, lubrication systems and condition monitoring technologies, giving them the skills they need to perform optimal diagnoses and repairs.





In addition to receiving a range of advanced training, shops that want to become SKF Certified must undergo a continuous series of quality audits. Rebuilders must carry out strict electrical and mechanical motor conformance testing. Certification of personnel and shops is reviewed frequently and audited by SKF every two years.

### **Backed by the power of SKF**

With more than a century of rotating machinery expertise and decades of condition monitoring experience, SKF provides SKF Certified Rebuilders with the right resources for any job.

### **SKF components and tools**

With SKF Certified Rebuilders, SKF products are sourced directly from the SKF authorized distribution network. Repairs are always conducted with the highest quality motor components, bearing installation tools and diagnostic instruments.



### **SKF engineering support**

SKF Certified Rebuilders enjoy access to SKF engineering expertise and technology. Field support and dedicated hotlines are available to assist with bearing analysis and on-site inspections if necessary.



## **Baker Instrument**

As an SKF Group Company, Baker Instrument is a leading manufacturer of test, quality control and diagnostic instruments for electric motor assessment. SKF Certified Rebuilders use and receive extensive training on tools from Baker Instrument.

## **Worldwide coverage from the world's best rebuilders**

SKF Certified Rebuilder shops operate worldwide, offering electric motor end-users the professional repair services they need, wherever they need them.

**For more information or to find an SKF Certified Rebuilder near you, visit [www.skf.com/rebuilder](http://www.skf.com/rebuilder) or contact your SKF representative.**





SKF Certified Rebuilder Info here

© 2011 SKF Group

® SKF is a registered trademark of SKF Group.

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of use of the information contained herein.

**PUB 91/S8 12017** · September 2011

Printed in Sweden on environmentally friendly paper.