



DEM's MotorSafe is a PREMIUM complete process where each motor goes through our MotorCheck job tracking system. From initial receipt and evaluation through to final release a MotorSafe repair assures you that the motor you get back will meet or exceed OEM specifications returning a more efficient and reliable motor back to service.

Benchmarking Electric Motor Repair

Reliability Assurance Benchmarks	Dreisilker's MotorSafe Repair Process & Results	Typical Repair (including Burn Out Method)
MotorSafe Solution Process	Complete "A to Z" Solution integrating OEM specifications with advanced techniques to return a motor to service w/OEM life or better	Not Offered by Other Vendors
Environmentally Responsible	Energy Efficiency Retained Post Repair Processes result in low net carbon footprint	Standards May not Exist
Motor Shop Capabilities	AC,DC, Foreign & Domestic, Servo and Spindle - Fractional to 10,000hp	Standards May not Exist
Custom Logistics Model - Incoming and Outgoing	Custom shipping solutions, motor protection, storage, 24/7 Access	Standards May not Exist
Incoming Registration	Individual Repair Tag and tracking identifier	Standards May not Exist
Incoming Evaluation/Motor Status Report	Disassembly - Cleaning - Machine Fits measured	Standards May not Exist
Core Loss Value Measurement	Zero (0%) Change	20% Increase allowable (per EASA)
Core Loss Report	Full Detailed Report provided	Typically Not Offered
Failure Report - Optional Full Forensic Analysis	All findings documented and communicated. (windings, bearings, lamination damage)	Standards May not Exist
Repair vs. New Consultation	True cost of repair balanced with replacement options. (DEM flagship distributor for major electric motor brands)	Standards May not Exist
Quoting Process	Complete detailed quote including tracking capability	Standards May not Exist
Winding Removal/Strip Time	1- 2 Hours	8 - 12 Hours
Winding Removal/Strip Temperature	At or below 410 ° F. No change in core, lamination insulation or frame	At or > 680 ° F. (note: excessive heat has been shown to compromisintegrity of core and frame. Distortion and warping result.
Motor Frame and Lamination Integrity	Zero (0%) Change	High heat damages laminations (results in higher operating temps and uneven Amp draw. Motor frame distortion typical)
Advanced Varnishing Methods	Class H • UltraSeal • Super Seal. Cooler running, application specific, Wet Environment, Rigid.	Dipping and Baking
Precision Dynamic Balancing	Rotating components dynamically balanced to minimum G1.0 and documented	Standard Baseline Balance Typical
Proper Brush Grade	Specific to environment, load and speed range Proper Carbon Brush Surveys Offered	Standards May not Exist
Tracking and Identification	OEM name plate retained • Unique tracking or badging available	Not Standard Process
Custom Repair Reporting	Registration Data • inbound/outbound Photos • Failure Analysis provided post repair.	Typically not offered
Motor Efficiency	Zero (0%) Change	Deduct 1 % for burn out stripped motors (PER REWIND

Assuring Uptime for 60 years

Expert Testing, Data Review and Forensic Analysis

Dreisilker focuses on the "WHY" before we execute any repair. Testing and Expert Data Interpretation help us understand the root cause for a motor's be-If a repair is necessary a Forensic Analysis can be performed to determine the proper strategy

Dreisilker is a leader in the testing, forensic diagnosis and re-manufacturing of electric motors and related rotating machinery.

Motor Management

Dreisilker provides complete Electric Motor solutions for commercial, industrial and municipal customers that require reliable and consistent Electric Motor operation. Our area of expertise spans from the distribution of new electric motors. parts, accessories and controls to the complete remanufacturing and turn-key maintenance of Electric Motors as well as generators and pumps.



Benchmark





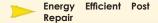
MotorSafe

Burn Out

AC, DC, Domestic, Foreign, Servo/Spindle







Stripping Temperature

Post Repair Motor

Efficiency Change













Post Repair Core Loss Change







20% Allowed



ZERO (0%)



Generator Repair

Dreisilker's Industry Exclusive Motor-Safe Repair™ method uses non-burnout stripping, accurate and precise rewinding, advanced varnishing methods, dynamic balancing, and thorough testing. Returning generators back to OEM specifications and utilizing the correct materials results in Improved Reliability, Increased Up-Time and Energy Savings.

Emergency Service Program - Dreisilker offers 24/7 Emergency field service, testing and shop repairs.





Post Stripping Stator Comparison



Improved Reliability Increased Uptime Save Energy

Chicago • Atlanta • Nationwide

dreisilker.com

800.922.1882