

#No1 Selling Bearing Protection Ring



An Industry
Standard
Worldwide

EARTHINGS™

PTY (Ltd)

VFD ELECTRIC MOTOR BEARING PROTECTION

“Saving Companies millions in lost production time.”



- Reduces “Breakdowns”- Guaranteed
- 90% of Motors Affected
- Lasts the “Life of the Electric Motor”
- Motor Manufacturers Worldwide
specify Shaft Grounding as a Necessity

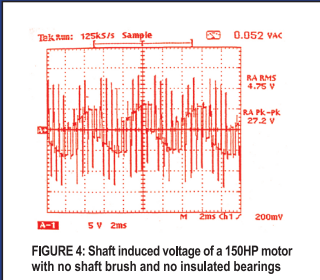
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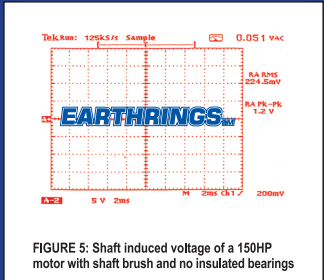
www.earthrings.co.za

Earthrings are based on the science of “Ac current Skin Effect”. The use of highly conductive micro fibers focuses on removing the volts, and the extensive increase in the amount of fibers (thousands of more micro fibers per square mm) removes the currents, making it the most effective bearing protection ring of its kind in the World.

PROBLEM



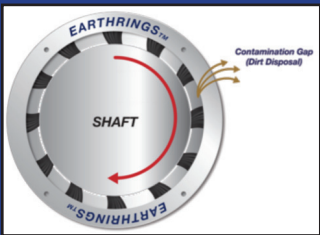
SOLUTION



A 150 HP Motor was tested on a VSD Drive, shaft currents were 27.2v Pk-Pk

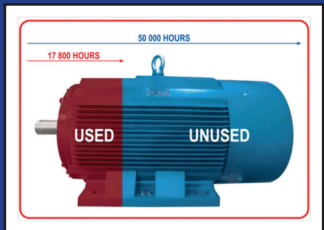
A 150 HP Motor with a shaft brush & no insulated bearing fitted, has reduced shaft currents to only 1.2v Pk-Pk

Unique High Contamination Design...



"Carbon brushes, non drive end insulated housings and bearings, can be helpful, but are proven to be very inconsistent, and therefore are not considered a reliable solution in the modern industrial environment." -Troy Timm, Director of Earthrings (PTY) Ltd

Get the Correct Life-Span out of your Electric Motor



Electric motor bearings are expected to last on average 50 000 hours, but bearings on VSD driven motor applications are only lasting on average 17 800 hours.

Electric motors that have **Earthrings** attached are proven to get as much as 300 to 400% more life-span than motors without **Earthrings**.