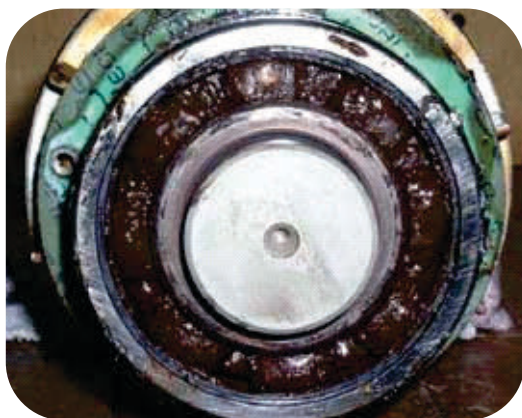
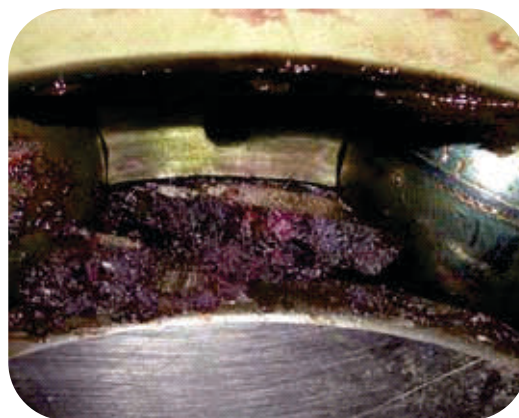


An Industry
Standard
Worldwide



Hardening of Grease , stops Relubrication.



Oil destroyed in grease ,
only Polymer Remains.



Initial Arcing causing High temperature Stress of Grease



Hardened oxidation of Grease stops
new Grease entering Rollers

Machinery
Lubrication

Bearing Grease Failures

Electrical Arcing Destroys Grease in VFD driven Electric motors

One can observe strong oxidation and hardening of the grease that occurs following high-temperature stress, which is produced through **electrical grounding (arcing)**. Loss of lubricant health produces mixed friction and wear in the roller contact area. The fact that a bearing cannot be easily relubricated from the outside plays a crucial role in eventual element failure. The newly added grease cannot displace the hardened and oxidized lubricant already present, and it makes an exchange of grease impossible. With normal relubrication intervals, bearing failure is inevitable.

Relubrication is not possible, bearing fails due to Damage from Bad Lubrication

EARTHRINGS™

VSD MOTOR BEARING PROTECTION

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