

Motor Failure Report

End Tec Job: 20xxx	Rpt Date: 2/26/2010
Customer:	PO: 10101
Motor Mfg: Franz Kessler	Ref.
Motor Type: DMQ112.AM.4.AFS-C4	Ship Ref.
Serial No: 149588	Bill Ref.
Machine Type: FZ12W	Machine SN: xxx-xx
Install Date: Failure Date: 2/3/2010	

Endeavor Inspection / Test

External Damage: Yes No Describe
 Parts Missing: Yes No Describe
 Test Run: Yes No Describe motor was seized
 Amp Alarm Cust: n/a ETI: n/a

Component Condition

Stator	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	
Rotor	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	
A side bearing journal	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	
B side bearing journal	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	
A side bearing bore	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	
B side bearing bore	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	
Output shaft	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	
Mounting Flange	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	
Power connector	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	
Encoder connector	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	
Encoder	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	
Brake	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	n/a
Fan Motor	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail	Describe	n/a
Bearing condition	<input type="checkbox"/> Pass	<input checked="" type="checkbox"/> Fail	Describe	B-side bearing failed catastrophically

Cause of Failure

End of Life Belt overtension Alignment / mechanical fit Customer damage Damaged by drive
 No problem found Other Problem Contaminated

Notes

Customer reports that motor and/or spindle have been noisy for approximately one (1) year, and that machine has been crashed several times in recent months. At the time of failure, it was also necessary to replace the spindle.

When the bearing failed, the shaft seized causing some damage to the outside diameter of the inner labyrinth seal, and the mating diameter of the floating bearing housing. The dimensions will need to be cleaned up, but major re-grinding should not be necessary.