

MOTOR FAILURE REPORT

JOB INFORMATION

ETI Job#:	00043336	Rpt Date:	Friday, July 3, 2020
Customer:	ETI	PO:	CC CN
Motor Mfg:	AMK Arnold Mueller	Ref.:	
Motor Type:	SKT7-28-20-T00	Cust Job #:	
Serial No:	D346BD-451838	Consignee PO:	
Equip Mfg:	Arburg	Equip Type:	420A
		Equip SN:	195965

INSPECTION / TEST

External Damage Yes No

Parts Missing Yes No

Test Run Yes No

Test Duration Drive Used **n/a**

Amplifier Alarms Cust. **overcurrent** ETI **n/a**

COMPONENT CONDITION

Stator	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	
Rotor	<input type="checkbox"/> Pass	<input checked="" type="checkbox"/> Fail	Magnets loose and slipping
A side bearing journal	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	
B side bearing journal	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	
A side bearing bore	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	
B side bearing bore	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	
Output shaft	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	
Mounting flange	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	
Power connector	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	
Encoder connector	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	
Encoder	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	
Bearing condition	<input type="checkbox"/> Pass	<input checked="" type="checkbox"/> Fail	

CAUSE OF FAILURE

<input checked="" type="checkbox"/> Contaminated	<input checked="" type="checkbox"/> End of Life	<input type="checkbox"/> Belt overtension	<input type="checkbox"/> Alignment/Mechanical fit
<input type="checkbox"/> Customer damage	<input type="checkbox"/> Damaged by drive	<input checked="" type="checkbox"/> Other Problem	<input type="checkbox"/> No problem found

NOTES

1. The primary cause of failure was a completely worn out encoder drive belt.
2. A secondary cause of failure was loose and slipping magnets on the magnet rotor.
3. The stator was badly contaminated with some kind of oil, but it had not caused any electrical failure.

