

Job Information

Job #: 140531

Date: September 4, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Hershey

Reason:

Contact:

Motor#: MTR-15

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: Baldor

Enclosure : Totally Enclosed
Fan Cooled

Enclosure Type image

Serial#: B1110034122

Model#: GP7409

Service Factor:

Frame: EB

Horsepower/kW: .25

Rated RPM: 20



Armature

Volts	90
Amps	1.48

Fields

Volts	90
Amps	1.59

Nameplate

DE

ODE

F1

F2

Top



Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: No

Contaminant(s): None

Shaft rotation: —

Contaminant(s) Amt: None

Shaft Condition: Good

Contaminant Image:

Shaft grounding device present?: No

Type of grounding device:

Shaft runout(TIR-Inbound):



Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection



Lubrication Type: Grease

Thermal Protection device DE: —

Lubrication brand inbound: Mobile Polyrex EM

Thermal Protection device ODE: —

Lubrication brand outbound: Mobile Polyrex EM

Grease Amt DE: Full

Grease Cond. DE: Watery

Grease Amt ODE: Full

Grease Cond. ODE: Charred

Mechanical Inspection (Continued)

Brushholders

- Number
- Condition Good
- Size
- Spring type

Brushes

- Number 2
- Size
- Shunt Len.
- Insulated No
- TermType

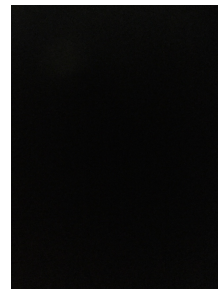
Brg Image



Shaft Image



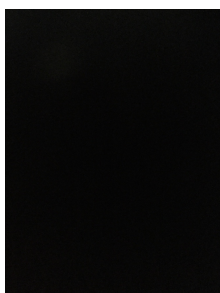
Brushing/sleeves



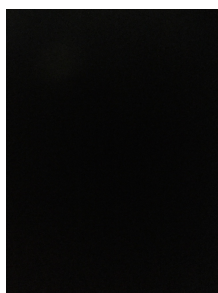
End bell



Water jacket: N/A



Fan: N/A



Frame cond.: Good



Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok

Foot flatness: Pass



MILLINGTON, TN

LITTLE ROCK, AR

Mechanical Inspection (Continued)

Missing parts?

☐ J-Box cover☐ O-rings☐ J-Box☐ HH cover☐ Glands☒ None

Other missing parts

Air Gap Measurements (N/A on Single Piece Endbell)

Does Air Gap Meet Customer or EASA spec(<10% variation)?

DE @ 0

ODE @ 0

—

DE @ 90

ODE @ 90

DE @ 180

ODE @ 180

DE @ 270

ODE @ 270

Electrical Inspection

☐ Move armature imbalance to Assemble

Commutator: Replace

Winding Inspection

Meg Test IP to Flds: —

Polarity Check IP to Flds: —

Meg Series to Shunt: —

WEST TENNESSEE
7030 Ryburn Drive
Millington, TN 38053
Phone 901-873-5300
Fax 901-873-5301

CENTRAL ARKANSAS
6812 Lindsey Rd.
Little Rock, AR 72206
Phone 501-375-9178
Fax 501-375-4254

DC Electrical Inspection

Brushes: Normal wear

Brush Image:



Brush holders: Salvageable Qty. 2

Insulators: Salvageable Qty.

Lead support stud: Salvageable Qty.

Alternate brush image:



Rocker ring: Salvageable Qty.

Commutator Type: Soldered

Commutator images

Commutator Hardness: Bad

Commutator Condition : Replace

Commutator Film: Bad



Armature type: Factory If other

Failure mode: Other If other

Failure location: Front V ring If other

Armature condition: Solid If other

Winding color: Still has color

Armature images



WEST TENNESSEE

7030 Ryburn Drive
Millington, TN 38053
Phone 901-873-5300
Fax 901-873-5301

CENTRAL ARKANSAS

6812 Lindsey Rd.
Little Rock, AR 72206
Phone 501-375-9178
Fax 501-375-4254

DC Electrical Inspection (Continued)

Armature Test Results

Megs: Good Hi-pot: Good Core loss: Good

Armature image



Fields condition

Series/Stab condition: Ok

Fields condition image:

Shunts condition: Ok

InterCoils condition: Ok



Fields test results

Series/Stab Meg: Ok

Hi Pot: Ok

Resistance: Ok

Shunts Meg: Ok

Hi Pot: Ok

Resistance: Ok

InterCoils Meg: Ok

Hi Pot: Ok

Resistance: Ok

Thermistors: In use

Field Test image

RTD: In use

At

Thermostat: Open



Leads/jumpers: Ok

Lead jumper Image:



Conclusion

Component Failure

Commutator roasted.

Cause of Failure

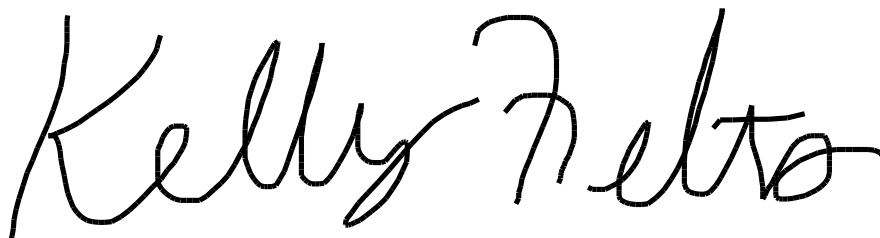
Fluid in bearings.

Comments

1 bearing ode 6000 z nsk. 1 bearing de 6002 z C3 ntn. 1 seal de od 20mm thick 4mm 10mm shaft TCM 03907

Service Tech name: Kelly Felts

Service Tech
signature:

A handwritten signature in black ink that reads 'Kelly Felts'.