

Job Information

Job #: 140708

Date: September 25, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: INSTIUFORM

Reason:

Contact:

Motor#: 140708

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: LEROY SOMER

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: 664785/01-07795

Model#:

Service Factor:

Frame:

Horsepower/kW: 52kw

Rated RPM: 3100



Armature

Volts 440

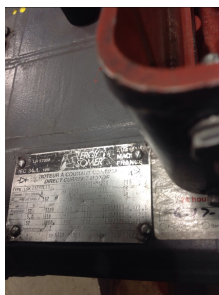
Amps 132

Fields

Volts 360

Amps 2.2

Nameplate



DE



ODE



F1



F2



Top



Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes

Contaminant(s): Carbon

Shaft rotation: —

Contaminant(s) Amt: Other

Shaft Condition: Good

Contaminant Image:

Shaft grounding device present?: No



Type of grounding device:

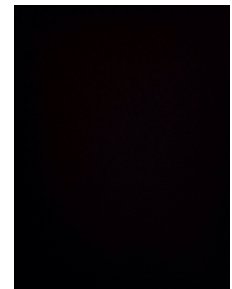
Shaft runout(TIR-Inbound): .001

Bearing Type Image

Bearing Make Image

Bearing Retainer Image

Thermal Protection



Lubrication Type: Grease

Thermal Protection device DE: N/A

Lubrication brand inbound: Mobile Polyrex EM

Thermal Protection device ODE: N/A

Lubrication brand outbound: Mobile Polyrex EM

Grease Amt DE: 0

Grease Cond. DE: Other

Grease Amt ODE: Full

Grease Cond. ODE: Other

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

Mechanical Inspection (Continued)

Brushholders	Number	4
	Condition	Good
	Size	148167
	Spring type	Yes

Brushes	Number	8
	Size	32485
	Shunt Len.	3"
	Insulated	No
	TermType	

Brg Image



Shaft Image



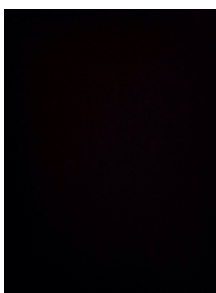
Brushing/sleeves



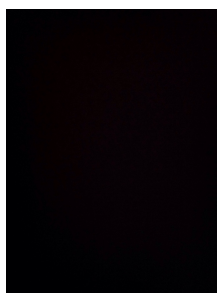
End bell



Water jacket: Ok



Fan: Ok



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: Salvageable

Winding Inspection

Meg Test IP to Flds: Good Polarity Check IP to Flds: Yes

Meg Series to Shunt: Good

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DC Electrical Inspection

Brushes: Normal wear

Brush Image:



Brush holders: Salvageable Qty. 4

Insulators: Salvageable Qty.

Lead support stud: Salvageable Qty.

Alternate brush image:



Rocker ring: Salvageable Qty. 1

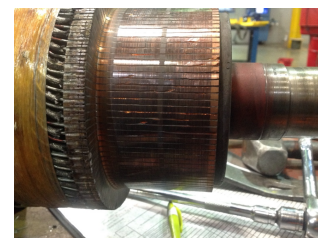
Commutator Type: Tig welded

Commutator images

Commutator Hardness: Good

Commutator Condition : Salvageable

Commutator Film: Ok



Armature type: Factory If other

Failure mode: Ok If other

Failure location: Front V ring If other

Armature condition: Solid If other

Winding color: Still has color

Armature images



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: None

Field Test image

RTD: None At



Thermostat: None



MILLINGTON, TN

LITTLE ROCK, AR

Leads/jumpers: Replace

Lead jumper Image:



Conclusion

Component Failure

Leads are bad

Cause of Failure

Field leads are blown into

Comments

Order two new 6310zz
C/clean parts
Turn undercut comm
Balance arm
Replace field leads

Service Tech name: Michael

Service Tech
signature:

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