

Job Information

Job #: 95302

Date: March 12, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Welspun

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: Crompton Greaves

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: KFA00060

Model#: SALM6107

Service Factor:

Frame: A38C2808

Horsepower/kW: 325 KW

Rated RPM: 1500



Armature

Volts 420

Amps 813

Fields

Volts 220

Amps 17.5

Nameplate

DE

ODE

F1

F2

Top



Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes

Contaminant(s): None

Shaft rotation: Bi-directional

Contaminant(s) Amt: None

Shaft Condition: Good

Contaminant Image:

Shaft grounding device present?: No

Not Available

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: N/A

Lubrication brand inbound: Unknown

Thermal Protection device ODE: N/A

Lubrication brand outbound: Unknown

Grease Amt DE: Full

Grease Cond. DE: Hard

Grease Amt ODE: Full

Grease Cond. ODE: Hard

Mechanical Inspection (Continued)

Brushholders

- Number 20
- Condition Good
- Size
- Spring type

Brushes

- Number 20
- Size
- Shunt Len.
- Insulated No
- TermType

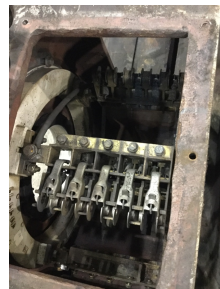
Brg Image



Shaft Image



Brushing/sleeves



End bell



Water jacket: Ok

Fan: Ok

Frame cond.: Good



Not
Available



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

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: Worn to rivets

Brush Image:



Brush holders: Salvageable Qty. 20

Insulators: Salvageable Qty.

Lead support stud: Salvageable Qty.

Alternate brush image:



Rocker ring: Salvageable Qty.

Commutator Type: Soldered

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: Like new

Armature images



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DC Electrical Inspection (Continued)

Armature Test Results

Armature image



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

Fields condition

Series/Stab condition: Other

Fields condition image:



Shunts condition: Replace

InterCoils condition: Ok

Fields test results

Series/Stab	Meg: Ok	Hi Pot: Ok	Resistance: Ok
Shunts	Meg: Ok	Hi Pot: Ok	Resistance: Bad
InterCoils	Meg: Ok	Hi Pot: Ok	Resistance: Ok

Thermistors: None

Field Test image

RTD: None At

Thermostat: None

Not Available



MILLINGTON, TN

LITTLE ROCK, AR

Leads/jumpers: Ok

Lead jumper Image:

Not
Available

Conclusion

Component Failure

Cause of Failure

Comments

4 Out of 20 Brushes were to the shunts Found Brenelling frosting and some flutting in Bearings DE end bell housing fit bad

Service Tech name: Robert Wiley

Service Tech
signature:

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