



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 141877

Date: February 4, 2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: West Memphis Steel

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: Walker

Enclosure : Totally Enclosed
Wash down

Enclosure Type image

Serial#:

Model#:

Service Factor:

Frame:

Horsepower/kW:

Rated RPM:



Armature

Volts

Amps

Fields

Volts

Amps

Nameplate

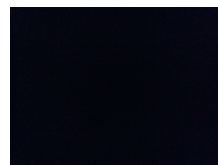
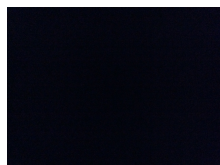
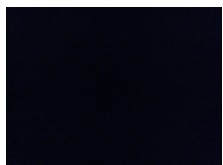
DE

ODE

F1

F2

Top



WEST TENNESSEE
7030 Ryburn Drive
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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

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: —

Contaminant(s): None

Shaft rotation: —

Contaminant(s) Amt: None

Shaft Condition: —

Contaminant Image:

Shaft grounding device
present?: No



Type of grounding device:

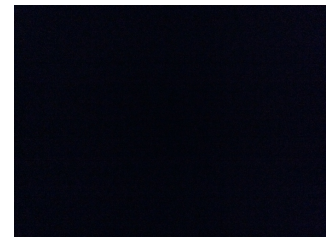
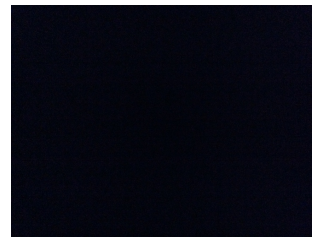
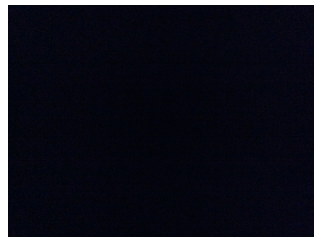
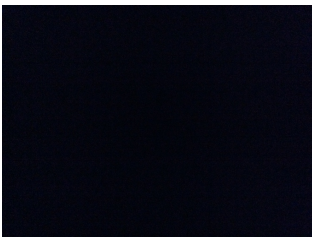
Shaft runout(TIR-Inbound):

Bearing Type Image

Bearing Make Image

Bearing Retainer Image

Thermal Protection



Lubrication Type: Oil

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: New

Grease Amt ODE: Full

Grease Cond. ODE: New

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Mechanical Inspection (Continued)

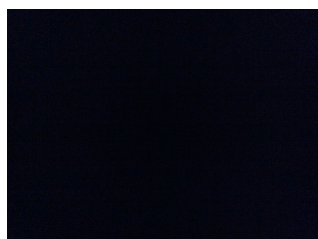
Brushholders

- Number
- Condition Good
- Size
- Spring type

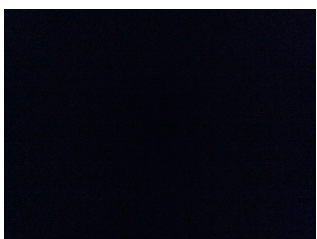
Brushes

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

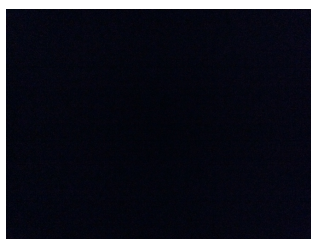
Brg Image



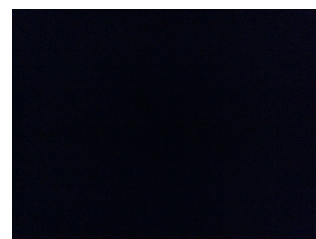
Shaft Image



Brushing/sleeves



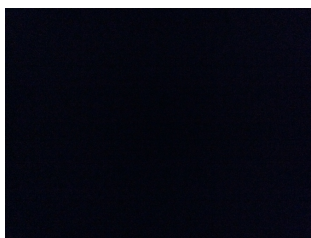
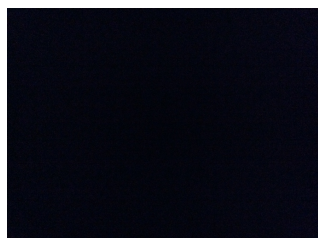
End bell



Water jacket: N/A

Fan: N/A

Frame cond.: Good



Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok

Foot flatness: Pass



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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: —

Winding Inspection

Meg Test IP to Flds: —

Polarity Check IP to Flds: —

Meg Series to Shunt: —

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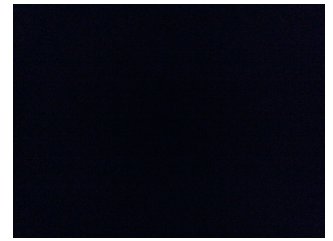
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DC Electrical Inspection

Brushes: Normal wear

Brush Image:

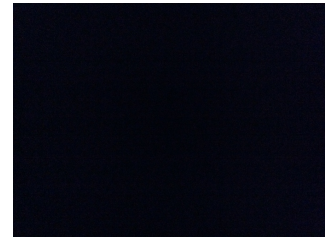


Brush holders: Salvageable Qty.

Insulators: Salvageable Qty.

Lead support stud: Salvageable Qty.

Alternate brush image:



Rocker ring: Salvageable Qty.

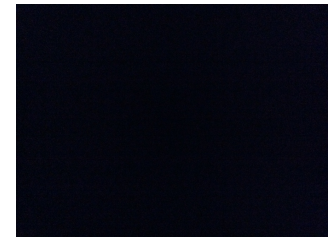
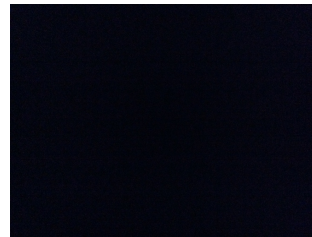
Commutator Type: Tig welded

Commutator images

Commutator Hardness: Good

Commutator Condition : Oil soaked

Commutator Film: Ok



Armature type: Factory If other

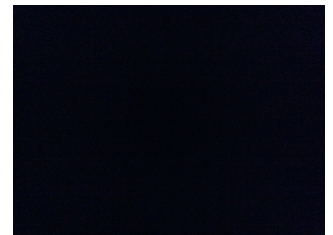
Armature images

Failure mode: Ok If other

Failure location: Front V ring If other

Armature condition: Solid If other

Winding color: Like new

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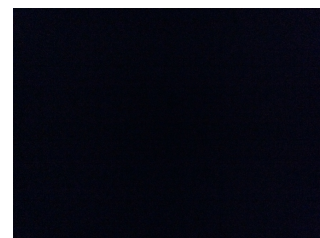
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DC Electrical Inspection (Continued)

Armature image

Armature Test Results

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



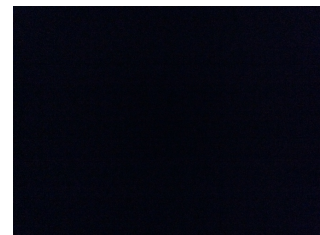
Fields condition

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



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Leads/jumpers: Ok

Lead jumper Image:



Conclusion

Component Failure

Cable cut an spliced together.

Cause of Failure

Insulation soft inside Jbox

Comments

Service Tech name: Kelly Felts

Service Tech
signature:

