

## Job Information

Job #: 94361

Date: June 8, 2018

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Bryce

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

## Name Plate Information

Manufacturer: Lenses

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: D-131855

Model#: RO#59147

Service Factor:

Frame:

Horsepower/kW: 10.7

Rated RPM: 2850



Armature

Volts 440

Amps 0.27

Fields

Volts 310

Amps

Nameplate

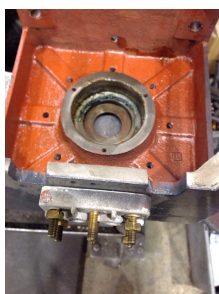
DE

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

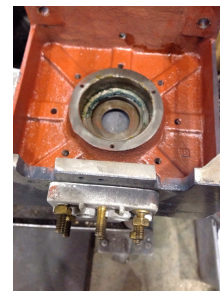
Shaft Condition: Good

Contaminant Image:

Shaft grounding device present?: No

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: 1/4

Grease Cond. DE: Other

Grease Amt ODE: 1/4

Grease Cond. ODE: Other

## Mechanical Inspection (Continued)

Brushholders

Number	4
Condition	Good
Size	
Spring type	

Brushes

Number	4
Size	
Shunt Len.	2.25
Insulated	No
TermType	S

Brg Image



Shaft Image



Brushing/sleeves



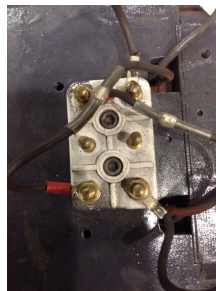
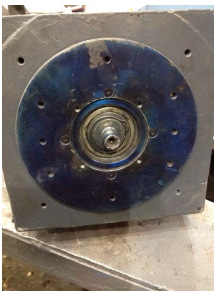
End bell



Water jacket: N/A

Fan: N/A

Frame cond.: Good



Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok

Foot flatness: Pass





## 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 : Salvageable

Commutator Film: Other



Armature type: Factory If other

Failure mode: Other If other

Failure location: Front V ring If other

Armature condition: Other 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

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

Armature image



### Fields condition

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Series/Stab condition:      Ok

Fields condition image:

Shunts condition:      Replace

InterCoils condition:      Replace



### Fields test results

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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

Leads/jumpers:     Ok

Lead jumper Image:



## Conclusion

### Component Failure

Shaft bearing fits measure too small on both ends.

### Cause of Failure

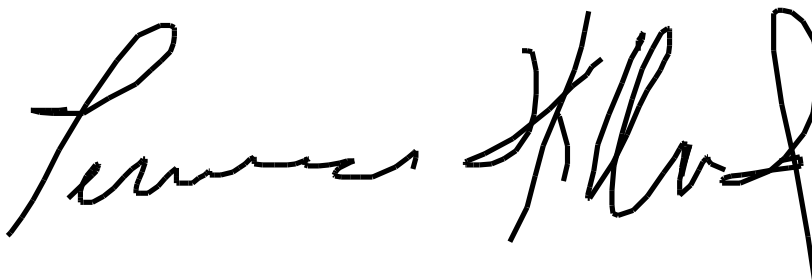
Armature shows damage on iron in multiple places.

### Comments

Armature shows damage in multiple areas on the iron.

Service Tech name:     Terrence Holland

Service Tech  
signature:

A handwritten signature in black ink, appearing to read 'Terrence Holland', written in a cursive style.