

## Job Information

Job #: 94311

Date: May 16, 2018

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: All American Polly

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

## Name Plate Information

Manufacturer: Us motors

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: 98405-KY

Model#: 36608452c55

Service Factor:

Frame: 368AT

Horsepower/kW: 125

Rated RPM: 1750



Armature

Volts 500

Amps 200

Fields

Volts 300

Amps 2.5

Nameplate

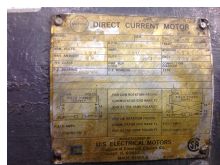
DE

ODE

F1

F2

Top



### 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

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes

Contaminant(s): Other

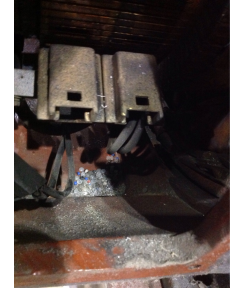
Shaft rotation: Bi-directional

Contaminant(s) Amt: Other

Shaft Condition: Good

Contaminant Image:

Shaft grounding device present?: Yes



Type of grounding device: Aegis

Shaft runout(TIR-Inbound): 0.001

Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection

Not Available

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: Hard

Grease Amt ODE: 1/4

Grease Cond. ODE: Hard

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## Mechanical Inspection (Continued)

Brushholders

- Number 8
- Condition Good
- Size
- Spring type Constant tension

Brushes

- Number 8
- Size
- Shunt Len.
- Insulated No
- TermType

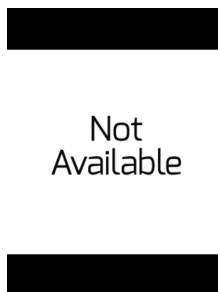
Brg Image



Shaft Image



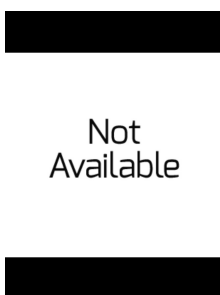
Brushing/sleeves



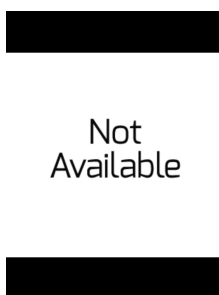
End bell



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: 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. 8

Insulators: Salvageable Qty. 4

Lead support stud: Salvageable Qty. 4

Alternate brush image:



Rocker ring: Salvageable Qty. 1

Not Available



Commutator Type: Soldered

Commutator images

Commutator Hardness: Good

Commutator Condition : Stall marks

Commutator Film: Black



Not Available



Armature type: Factory If other

Failure mode: Ok If other

Failure location: Other If other None

Armature condition: Solid If other

Winding color: Like new

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

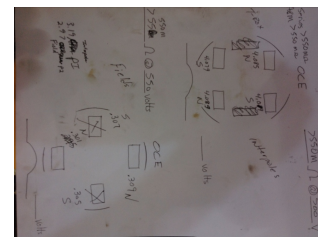
InterCoils Meg: Ok Hi Pot: Ok Resistance: Ok

Thermistors: None

Field Test image

RTD: None At

Thermostat: None



Leads/jumpers:     Ok

Lead jumper Image:



## Conclusion

### Component Failure

None

### Cause of Failure

None

### Comments

Service Tech name:     Dewey

Service Tech  
signature:

A handwritten signature in black ink, consisting of a stylized 'D' followed by a series of loops and a long, sweeping tail.