

## Job Information

Job #: 140208

Date: July 18, 2019

Priority: —

Authorized OT: No

Authorized by: Terry

## Customer Information

Name: Toyota b

Reason: Repair

Contact:

Motor#:

PO#:

Application: —

Special notes:

## Name Plate Information

Manufacturer: Task

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: 110862101

Model#: Jem1170-1979

Service Factor:

Frame:

Horsepower/kW: 75kw

Rated RPM: 1750



Armature

Volts 440

Amps 186

Fields

Volts 150

Amps 9.3

Nameplate

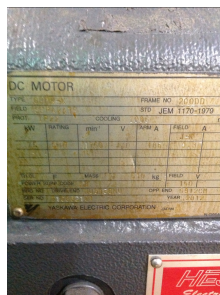
DE

ODE

F1

F2

Top



## Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes

Contaminant(s): Grease

Shaft rotation: Bi-directional

Contaminant(s) Amt: Cup

Shaft Condition: Good

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: Grease

Thermal Protection device DE: Thermistors

Lubrication brand inbound: Mobile Polyrex EM

Thermal Protection device ODE: N/A

Lubrication brand outbound: Mobile Polyrex EM

Grease Amt DE: Full

Grease Cond. DE: Watery

Grease Amt ODE: Full

Grease Cond. ODE: Watery

## Mechanical Inspection (Continued)

Brushholders

Number	4
Condition	Good
Size	
Spring type	

Brushes

Number	3644
Size	
Shunt Len.	4inches
Insulated	No
TermType	12-16

Brg Image



Shaft Image



Brushing/sleeves



End bell



Water jacket: N/A

Fan: N/A

Frame cond.: Bad



Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok

Foot flatness: Pass

### 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



MILLINGTON, TN

LITTLE ROCK, AR

## Mechanical Inspection (Continued)

Missing parts?

☐ J-Box cover

☐ O-rings

☐ J-Box

☐ HH cover

☐ Glands

☐ None

Other missing parts

Missing tach tbox cover

### 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: Other Qty.

Lead support stud: Salvageable Qty.

Alternate brush image:



Rocker ring: Salvageable Qty.

Commutator Type: Tig welded

Commutator images

Commutator Hardness: Good

Commutator Condition : Grooved

Commutator Film: Black



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

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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:      Ok

InterCoils condition:      Other



### 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:      In use

Field Test image

RTD:      In use                      At

Thermostat:      Open



Leads/jumpers: Ok

Lead jumper Image:



## Conclusion

### Component Failure

Repair broken feet blower motor plate 10mm holes

### Cause of Failure

Broken /cracked feet

### Comments

Clean and bake armature and stator repair broken feet

Service Tech name: Terry f

Service Tech  
signature:

