

## Job Information

Job #: 96380

Date: January 2, 2020

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: American Composting

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

## Name Plate Information

Manufacturer: Baldor

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: N0509070008

Model#: 92A112-0963

Service Factor: 1.0

Frame: 259AT

Horsepower/kW: 15KW

Rated RPM: 1750



Armature

Volts 230

Amps 65

Fields

Volts 230

Amps 1.3

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): Dirt

Shaft rotation: CCW

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: N/A

Lubrication brand inbound: Mobile Polyrex EM

Thermal Protection device ODE: N/A

Lubrication brand outbound: Mobile Polyrex EM

Grease Amt DE: 0

Grease Cond. DE: Hard

Grease Amt ODE: 1/4

Grease Cond. ODE: New

## Mechanical Inspection (Continued)

Brushholders

- Number 2
- Condition Good
- Size
- Spring type

Brushes

- Number 4
- Size
- Shunt Len.
- Insulated Yes
- TermType

Brg Image



Shaft Image



Brushing/sleeves



End bell



Water jacket: N/A

Fan: Ok

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. 4

Insulators: Salvageable Qty. 2

Lead support stud: Salvageable Qty. 2

Alternate brush image:



Rocker ring: Salvageable Qty. 1

Commutator Type: Tig welded

Commutator images

Commutator Hardness: Good

Commutator Condition : Oil soaked

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

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

### Cause of Failure

### Comments

Stator and armature need washed and baked .De bearing had water and dirt corrosion and fatigue

Service Tech name: Robert Wiley

Service Tech  
signature:

A handwritten signature in black ink that reads 'Robert Wiley'.