



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 140436

Date: August 19, 2019

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: KTG

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

## Name Plate Information

Manufacturer: SGEV

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: 1407365

Model#:

Service Factor:

Frame: 132S

Horsepower/kW: 7.5

Rated RPM: 1730

Rated Amps: 9.2

Rated Voltage: 480

Phase: 3

Cycles: 60

Special design: No



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  
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## Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: —

Contaminant(s): None

Shaft rotation: Bi-directional

Contaminant(s) Amt: None

Shaft grounding device present?: No

Contaminant Image:



Type of grounding device:

Shaft runout(TIR-Inbound): .0015

Bearings DE: Worn

Bearings DE make: SKF

Insulated: No

Bearing DE Size: 6308-2Z/C3

Bearings ODE: Worn

Bearings ODE make: SKF

Bearing Type: Ball

Bearing ODE Size: 6308-2Z/C3

Bearings Retainer: No

Thermal Protection: No

Retainer condition: —

Thermal Protection Type: —

Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection



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## Mechanical Inspection (Continued)

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: Other

Grease Amt ODE: 0

Grease Cond. ODE: Other

Seals DE type: Other

Seals Image:



Seals DE size: 10-40-60

Seals DE (inbound) condition : Good

Seals ODE type: Other

Seals Image 2:



Seals ODE size: 10-40-60

Seals ODE (inbound) condition : Good

Shaft damage cause: None

Shaft Image:



## Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket: N/A



Fan: Ok



Frame cond.: Good



Motor Mount Position: Horizontal/Flange mount

Endbell type: Single piece

Missing parts?

☐ J-Box cover ☐ O-rings ☐ J-Box☐ HH cover ☐ Glands ☐ None

Other missing parts

Endbell Image:

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## Mechanical Inspection (Continued)

### 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

## AC Electrical Inspection

Number of leads: 6

Terminal Markings: 1-6

Length of leads: 3"

REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Markings Identified By Color:

Size of leads: 16

1-Blue  
2-White  
3-Orange  
4-Yellow

5-Black  
6-No color assigned  
7-No color assigned  
8-Red

P1-No color assigned  
P2-Brown

Lead condition: Good

Lug type: Closed

Connections As Received: Delta

Lug Condition: Good

Lug size: 10mm

Lug Attachment: Acceptable

Terminal



Lugs



## AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars:

Num broken bars: 0

Rotor



### Rotor Test Results

Visual: Pass

Growler: Pass

Single phase: Pass

Stator type: HISI

If other, stator type:

Stator condition: Ok

If other, stator condition:

Failure location: Other

If other, stator failure: None

Stator Image:



Failure Image:



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## AC Electrical Inspection (Continued)

Winding color: Like new

Winding image

Winding Thermal Protection: Yes

Winding condition : Solid

Winding Thermal Protection DE: —

Winding Thermal Protection ODE: —

Stator test results: Rewind



Megs incoming: Good

Surge incoming: Good

Hi-pot incoming: Good

### Winding Resistance Incoming

	Phases A to B	Phases B to C	Phases C to A	Resistive imbalance
Incoming	1.4	1.4	1.4	0

Leads/jumpers: Ok

Lead jumper Image. :

If other, leads/jumpers:





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## Conclusion

### Component Failure

Bearings slightly worn

### Cause of Failure

Run time and some contamination

### Comments

Cooling fan and fan cover had some paper contaminate on them

Service Tech name: Kev f

Service Tech signature:

A handwritten signature in black ink that reads 'Kev f' followed by a stylized horizontal line with a hook.

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