

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 **Enclosure Type image**

(ODP)

Serial#: 1407365 Model#:

Service Factor: 132S Frame:

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













CENTRAL ARKANSAS



Mechanical Inspection

Type of grounding device:

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 No Contaminant Image:

present?:

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





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:

Seals Image 2:

Seals ODE size: 10-40-60

Seals ODE (inbound) condition Good

:

Other

Shaft damage cause: None Shaft Image:



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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:

Endbell Image:

Single piece

Missing parts?

☐ J-Box cover

O-rings

☐ J-Box

☐ HH cover

Glands

☐ None

Other missing parts





Mechanical Inspection (Continued)

Air Gap Meaurements (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 5-Black P1-No color assigned

2-White 6-No color assigned P2-Brown

3-Orange 7-No color assigned

Lead condition: Good 4-Yellow 8-Red

Lug type: Closed Connections As Received: Delta

Lug size: 10mm

Good

Lug Attachment: Acceptable

Lug Condition:

Terminal



Lugs





AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Ok

Num rotor bars:

Num broken bars: 0

Rotor



Rotor Test Results

Rotor Condition:

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:





Fax 901-873-5301

Yes



AC Electrical Inspection (Continued)

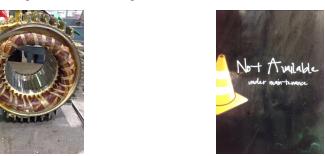
Winding color: Like new Winding image Winding Thermal Protection:

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:





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:

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