

Job Information

Job #: 136690 Date: February 28,

2018

Priority: 3 Authorized OT: No Authorized by:

Customer Information

Name: Usg Reason:

Contact: Will leadbetter Motor#: PO#:

Application: – Special notes:

Name Plate Information

Manufacturer: Siemens Enclosure: Open Drop Proof Enclosure Type image

(ODP)

Serial#: Gkeds1 Model#: 2088s42004

Service Factor: 1.0 Frame: 213t

Horsepower/kW: 5 Rated RPM: 1760

Rated Amps: 6.5 Rated Voltage: 460

Phase: 3 Cycles:

No

Nameplate DE ODE F1 F2 Top



Special design:











Fax 901-873-5301



Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: No Contaminant(s): None

Shaft rotation: Bi-directional Contaminant(s) Amt: None

Shaft grounding device

present?: Contaminant Image:

Type of grounding device:

Shaft runout(TIR-Inbound):

Bearings DE: Worn Bearings DE make: Koyo

Insulated: No Bearing DE Size: 6208zc3

Bearings ODE: Worn Bearings ODE make: Koyo

Bearing Type: Ball Bearing ODE Size: 6208zc3

Bearings Retainer: Yes Thermal Protection: Yes

Retainer condition: — Thermal Protection Type: —

Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection





Mechanical Inspection (Continued)

Lubrication Type: Oil Thermal Protection device DE: -

Lubrication brand inbound: Mobile Polyrex EM Thermal Protection device ODE: —

Lubrication brand outbound: Mobile Polyrex EM

Grease Amt DE: Full Grease Cond. DE: New

Grease Amt ODE: Full Grease Cond. ODE: New

Seals DE type: Slinger Seals Image:

Seals DE size:

Seals ODE type:

Seals DE (inbound) condition :

Seals Image 2:

Seals ODE size:

Seals ODE (inbound) condition

Shaft damage cause: None

Slinger

Shaft Image:

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Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket: Ok



Fan: Ok



Frame cond.:

Good

Motor Mount Position:

Horizontal/Foot mount

Endbell type:

Endbell Image:

Single piece

Missing parts?

☐ J-Box cover

O-rings

☐ J-Box

☐ HH cover

✓ None Glands

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)?

N/a DE @ 0 N/a ODE @ 0

N/a DE @ 90

N/a **ODE @ 90**

N/a DE @ 180 N/a **ODE @ 180**

N/a DE @ 270 N/a **ODE @ 270**

AC Electrical Inspection

Number of leads:

3

Terminal Markings:

Length of leads:

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

Size of leads:

1-Blue 2-White

P1-No color assigned P2-Brown

3-Orange

6-No color assigned

7-No color assigned 8-Red

5-Black

Lead condition:

4-Yellow

Lug type:

Connections As Received:

Lug Condition:

Lug size:

Lug Attachment:

Terminal



Lugs





AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Ok

Num rotor bars:

Num broken bars:

Rotor

Rotor Test Results

Rotor Condition:

Visual: Pass Growler: Pass Single phase: Pass

Stator type: Factory If other, stator type:

Stator condition: Ok If other, stator condition:

Failure location: In slot If other, stator failure:

Stator Image: Failure Image:







AC Electrical Inspection (Continued)

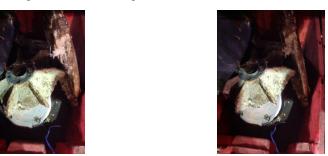
Winding color: Like new Winding image Winding Thermal Protection: Yes

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

Leads/jumpers: Ok Lead jumper Image. :

If other, leads/jumpers:





Conclusion

Component Failure

Cause of Failure

Bearing and needs to be cleaned.

Comments

Service Tech name: Scott Simon

Service Tech signature:

7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301