

Job Information

Job #: Unnamed Date: February 4, 2020

Priority: — Authorized OT: No Authorized by: Terry

Customer Information

Name: Layne Reason:

Contact: Motor#: PO#:

Application: - Special notes: Warranty ...

Name Plate Information

Manufacturer: Us Enclosure: Open Drop Proof Enclosure Type image

(ODP)

Serial#: Ho100p2slg Model#: Fc56

Service Factor: Frame: 404

Horsepower/kW: 100 Rated RPM: 1785

Rated Amps: 114 Rated Voltage: 460

Phase: 3 Cycles:

No

Nameplate DE ODE F1 F2 Top



Special design:













Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes Contaminant(s): Oil

Shaft rotation: CCW Contaminant(s) Amt: Full

Shaft grounding device No Contaminant Image:

present?:

Shaft runout(TIR-Inbound):

Type of grounding device:

Bearings DE: Good Bearings DE make: SKF

Insulated: No Bearing DE Size: 7222

Bearings ODE: Good Bearings ODE make: SKF

Bearing Type: Ball Bearing ODE Size: 6212

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: N/A

Lubrication brand inbound: Mobile Polyrex EM Thermal Protection device ODE: N/A

Lubrication brand outbound: Mobile Polyrex EM

Grease Amt DE: 3/4 Grease Cond. DE: New

Grease Amt ODE: 1/4 Grease Cond. ODE: New

Seals DE type: N/A Seals Image:

Seals DE size:

N/A

Seals Image 2:

Seals ODE size:

Seals ODE type:

Seals ODE (inbound) condition

Seals DE (inbound) condition:

Shaft damage cause: None Shaft Image:

Fax 901-873-5301

CENTRAL ARKANSAS



Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket:

N/A



N/A

Frame cond.:

Good



. a...

Endbell Image:



Motor Mount Position:

Horizontal/Foot mount

Endbell type:

Single piece

Missing parts?

☐ J-Box cover

O-rings

☐ J-Box

☐ HH cover

Glands

☐ None



Other missing parts

Rain cap



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:

REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Length of leads: 18 inches

Markings Identified By Color:

P1-No color assigned 1-Blue 5-Black Size of leads: AWG 2 P2-Brown

2-White 6-No color assigned

3-Orange 7-No color assigned

4-Yellow 8-Red Lead condition:

Connections As Received: Slice connector Lug type:

Lug Condition: Terminal Lugs

Lug size:

Lug Attachment:









AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Ok

Num rotor bars: 28

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)

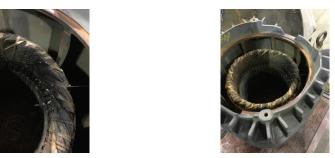
Winding color: Dull black Winding image Winding Thermal Protection: Yes

Winding condition: Cracks

Winding Thermal ___ Protection DE:

Winding Thermal Protection ODE:

Stator test results: Rewind



Megs incoming: Bad Surge incoming: Bad Hi-pot incoming: Bad

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

Com	pone	nt F	ailure
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Windings

Cause of Failure

Coil to coil moisture in winding

Comments

Moisture come through top endbell coil to coil short in top side of windings

Service Tech name: Terry

Service Tech signature:

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