

Job Information

Job #: 95119 Date: January 15,

2019

Priority: — Authorized OT: No Authorized by:

Customer Information

Name: Dewafelbakkers Reason:

Contact: Motor#: PO#:

Application: – Special notes:

Name Plate Information

Manufacturer: Teco Westinghouse Enclosure: Open Drop Proof Enclosure Type image

(ODP)

Serial#: P7106019002 Model#: Cat: N0404C

Service Factor: 1.15 Frame: 324TC

Horsepower/kW: 40 Rated RPM: 1765

Rated Amps: 90.5/45.2 Rated Voltage: 230/460

Phase: 3 Cycles: 60

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): None

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

Shaft grounding device

present?:

No

Type of grounding device:

Shaft runout(TIR-Inbound):

Bearings DE: Worn Bearings DE make: SKF

Insulated: No Bearing DE Size: 6312 2z/C3

Bearings ODE: Worn Bearings ODE make: SKF

Bearing Type: Ball Bearing ODE Size: 6212 2z/C3

Bearings Retainer: Yes Thermal Protection: No

Retainer condition: Good Thermal Protection Type: —

Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection



Lubrication Type: Grease 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: Watery

Grease Amt ODE: Full Grease Cond. ODE: Hard

Seals DE type: Slinger

Seals DE size:

Seals DE (inbound) condition:

Seals ODE type: Slinger

Seals ODE size:

Seals ODE (inbound) condition

:

Shaft damage cause: None Shaft Image:





Brg. Image:



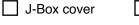
Water jacket: N/A Fan: Ok Frame cond.: Good



Endbell type: Single piece

Missing parts? Endbell Image:

Horizontal/Foot mount



Motor Mount Position:











✓ None

Other missing parts





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: 12 Terminal Markings:

Length of leads: 10" REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal

Markings Identified By Color:

Size of leads: 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

Connections As Received: Lug type:

Lug Condition: — Terminal Lugs

Lug size:

Lug Attachment: —

Fax 901-873-5301



AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Ok

Num rotor bars: 40

Num broken bars: 0

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: Good

Failure location: Other If other, stator failure:

Stator Image: Failure Image:







AC Electrical Inspection (Continued)

Winding color: Like new Winding image Winding Thermal Protection: No

Winding condition: Solid

Winding Thermal Protection DE:

Winding Thermal Protection ODE:

Stator test results: Salvageable

Megs incoming: Surge incoming: Hi-pot incoming: Good Good Good

Winding Resistance Incoming

Phases A to B Phases B to C Phases C to A Resistive imbalance

Incoming 0.221 0.221 0.219 1.1

> Leads/jumpers: Lead jumper Image. : Ok

If other, leads/jumpers:

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition: Good Bearings Retainer: Yes

Type of grounding device: Bearing DE Size: 6312 2Z/C3

Shaft runout(TIR-Inbound): Bearing ODE Size: 6212 2Z/C3

Retainer condition: Good

WEST TENNESSEE CENTRAL ARKANSAS 6812 Lindsey Rd. Little Rock, AR 72206

Phone 501-375-9178

Fax 501-375-4254

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







Seals DE condition: None Brg. Seats DE: Good

Seals DE type: N/A If DE undersized, amt.:

Seals DE size: Brg. Seats ODE: Good

Seals DE (inbound) condition : If ODE undersized, amt.:

Seals ODE condition: None Shaft damage: OK

Seals ODE type: N/A

Seals ODE size:

Bushings/sleeves DE: Ok

Seals ODE (inbound) condition : Bushings/sleeves ODE: Ok

Endbell fits/damage: Good Foot/Flange condition: Ok

Endbell DE size: 5.1180 Foot flatness: Pass

Endbell DE insulated?: No

Does Air Gap Meet Customer or EASA spec(<10%

variation)?

Endbell ODE insulated?: No

Endbell ODE size:

4.3308



Conclusion

Com	pone	nt F	ailure

Bearings

Cause of Failure

Worn. Slight grease contamination.

Comments

All mechanical and electrical checks are within specifications.

Service Tech name: Terrence Holland

Service Tech signature: