Job Information

Job #:	96378			Date:	December 30, 2019
Priority:	—	Authorized OT:	No	Authorized by:	

Customer Information

Name:	Bemis Company, Inc			Reason:	
Contact:		Motor#:		PO#:	
Application:	—	Special notes:			

Name Plate Information

Manufacturer:	Baldor	Enclosure :	Totally Enclosed Fan Cooled	Enclosure Type image
Serial#:	F700	Model#:		
Service Factor:	1.15	Frame:	256T	
Horsepower/kW:	20	Rated RPM:	3450	
Rated Amps:	46/23	Rated Voltage:	230/460	
Phase:	3	Cycles:	60	
Special design:	No			

Nameplate

DE

ODE

F1

F2

Top

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:	6309-2Z
Bearings ODE:	Worn	Bearings ODE make:	NSK
Bearing Type:	Ball	Bearing ODE Size:	6307Z
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:	—
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:	N/A		
Seals DE size:			
Seals DE (inbound) condition :			
Seals ODE type:	N/A		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	

Mechanical Inspection (Continued)

Brg. Image:

Water jacket: N/A

Fan: Ok

Frame cond.: Good

Motor Mount Position: Horizontal/Foot mount

Endbell type: Single piece

Missing parts?

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

Endbell Image:

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: 9

Length of leads: 7 1/2 in

Size of leads:

Lead condition: Worn

Lug type: NA

Lug Condition: —

Lug size:

Lug Attachment: —

Terminal Markings:

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

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

Connections As Received:

Terminal Lugs

AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars: 29

Num broken bars: 0

Rotor

Rotor Test Results

Visual: Pass Growler: Pass Single phase: Pass

Stator type: Factory

If other, stator type:

Stator condition: Ok

If other, stator condition:

Failure location: Other

If other, stator failure:

Stator Image:

Failure Image:

AC Electrical Inspection (Continued)

Winding color: Still has color

Winding image

Winding Thermal Protection: No

Winding condition : Solid

Winding Thermal Protection DE: —

Winding Thermal Protection ODE: —

Stator test results: Salvageable

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	0.00	0.00	0.00	

Leads/jumpers: Ok

Lead jumper Image. :

If other, leads/jumpers:

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition: Good

Bearings Retainer: No

Type of grounding device:

Bearing DE Size: 6309

Shaft runout(TIR-Inbound): 0.001

Bearing ODE Size: 6307

Retainer condition: —

Mechanical Inspection (Continued)

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:	3.9388 BAD	Foot flatness:	Pass
Endbell DE insulated?:	—		
Endbell ODE size:	3.1501	Does Air Gap Meet Customer or EASA spec(<10% variation)?	
Endbell ODE insulated?:	—	—	

Conclusion

Component Failure

Cause of Failure

Comments

Both bearings show signs of normal wear and the DE end bell is over sized. Recommend reconditioning,new bearings, and machine work on DE end bell.

Service Tech name: Chris Wiley

Service Tech signature: