Job Information

Job #:	140608			Date:	September 11, 2019
Priority:	—	Authorized OT:	No	Authorized by:	Terry

Customer Information

Name:	Big river			Reason:	
Contact:		Motor#:		PO#:	
Application:	—	Special notes:			

Name Plate Information

Manufacturer:	Rossi	Enclosure :	Totally Enclosed Fan Cooled	Enclosure Type image
Serial#:	1643897	Model#:		
Service Factor:		Frame:		
Horsepower/kW:	5.4	Rated RPM:	1740	
Rated Amps:	12/7.1	Rated Voltage:	460	
Phase:	3	Cycles:		
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):	Water
Shaft rotation:	CCW	Contaminant(s) Amt:	Other
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):			

Bearings DE:	Worn	Bearings DE make:	NSK
Insulated:	No	Bearing DE Size:	306
Bearings ODE:	Worn	Bearings ODE make:	NSK
Bearing Type:	Ball	Bearing ODE Size:	306
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:	Grease	Thermal Protection device DE:	Thermal Overloads
Lubrication brand inbound:	Mobile Polyrex EM	Thermal Protection device ODE:	N/A
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	Full	Grease Cond. DE:	Watery
Grease Amt ODE:	Full	Grease Cond. ODE:	Watery
Seals DE type:	Other	Seals Image:	
Seals DE size:	30. 50. 7		
Seals DE (inbound) condition :			
		Seals Image 2:	
Seals ODE type:	N/A		
Seals ODE size:	30. 50. 7		
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	

Mechanical Inspection (Continued)

Brg. Image:

Bushings/sleeves 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: 6

Length of leads: 3 inches

Size of leads:

Lead condition: Good

Lug type:

Lug Condition: Good

Lug size:

Lug Attachment: —

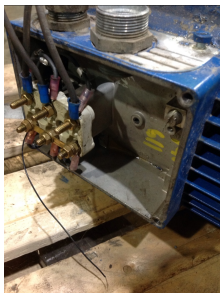
Terminal Markings: 1-6

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

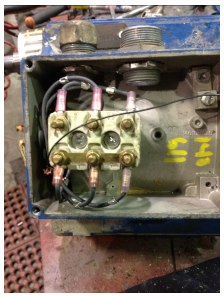
1-Blue
2-White
3-Orange
4-Yellow
5-Black
6-No color assigned
7-No color assigned
8-Red
P1-No color assigned
P2-Brown

Connections As Received:

Terminal



Lugs



AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars:

Num broken bars:

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: In slot If other, stator failure:

Stator Image:

Failure Image:

AC Electrical Inspection (Continued)

Winding color: Still has color

Winding image

Winding Thermal Protection: Yes

Winding condition : Solid

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	45	39	0.4	0.1

Leads/jumpers: Ok

Lead jumper Image. :

If other, leads/jumpers:

Conclusion

Component Failure

Winding and overloads

Cause of Failure

Seal leaked causing oil to get inside winding

Comments

Service Tech name: Terry f

Service Tech signature: