Job Information

Job #:	140596			Date:	September 10, 2019
Priority:	—	Authorized OT:	No	Authorized by:	Terr f

Customer Information

Name:	Roxul			Reason:	
Contact:		Motor#:		PO#:	
Application:	—	Special notes:	Motor and gearbox		

Name Plate Information

Manufacturer:	Sew	Enclosure :	Open Drop Proof (ODP)
Serial#:	13617982	Model#:	
Service Factor:		Frame:	
Horsepower/kW:	230	Rated RPM:	
Rated Amps:	.57	Rated Voltage:	
Phase:	3	Cycles:	
Special design:	No		

Enclosure Type image

Nameplate

DE

ODE

F1

F2

Top

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:	Other
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):			

Bearings DE:	Worn	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	309
Bearings ODE:	Worn	Bearings ODE make:	SKF
Bearing Type:	Ball	Bearing ODE Size:	209
Bearings Retainer:	No	Thermal Protection:	Yes
Retainer condition:	Good	Thermal Protection Type:	RTD

Bearing Type Image

Bearing Make Image

Bearing Retainer Image

Thermal Protection

Mechanical Inspection (Continued)

Lubrication Type:	Oil	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:	New
Grease Amt ODE:	Full	Grease Cond. ODE:	New
Seals DE type:	Other	Seals Image:	
Seals DE size:	40. 62. 7		
Seals DE (inbound) condition :	Replace		
		Seals Image 2:	
Seals ODE type:	N/A		
Seals ODE size:			
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: 9

Length of leads: 4 inches

Size of leads:

Lead condition: —

Lug type: Regular

Lug Condition: Good

Lug size: 10mm hole

Lug Attachment: —

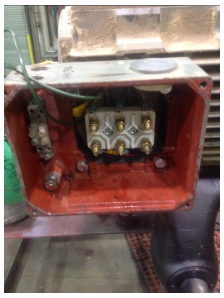
Terminal Markings: 1-9

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:	40
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: In slot

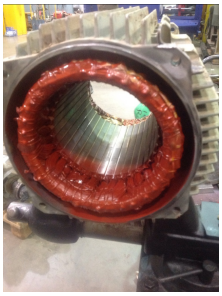
If other, stator failure:

Stator Image:

Failure Image:

AC Electrical Inspection (Continued)

Winding color:	Painted	Winding image		Winding Thermal Protection:	Yes
Winding condition :	Solid				
Winding Thermal Protection DE:	Good				
Winding Thermal Protection ODE:	Good				
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				

Leads/jumpers: Ok Lead jumper Image. :

If other, leads/jumpers:

Conclusion

Component Failure

Thermal protection

Cause of Failure

Thermal protection was covered with oil causing motor to trip

Comments

Overloads ohms 180.2

Service Tech name: Terry f

Service Tech signature: