Job Information

Job #:	139016			Date:	January 29, 2019
Priority:	—	Authorized OT:	No	Authorized by:	Terry f

Customer Information

Name:	Ktg			Reason:	
Contact:		Motor#:		PO#:	
Application:	—	Special notes:			

Name Plate Information

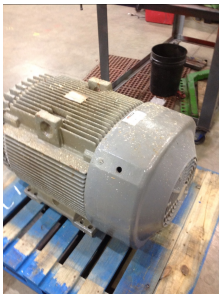
Manufacturer:	Ge	Enclosure :	Open Drop Proof (ODP)
Serial#:	Xb43027	Model#:	Sks445s308a
Service Factor:	1.15	Frame:	445t
Horsepower/kW:	125	Rated RPM:	1190
Rated Amps:	139	Rated Voltage:	460
Phase:	3	Cycles:	
Special design:	No		

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):	Grease
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	Full
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):			

Bearings DE:	Other	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	318
Bearings ODE:	Other	Bearings ODE make:	SKF
Bearing Type:	Ball	Bearing ODE Size:	318
Bearings Retainer:	Yes	Thermal Protection:	Yes
Retainer condition:	Good	Thermal Protection Type:	—

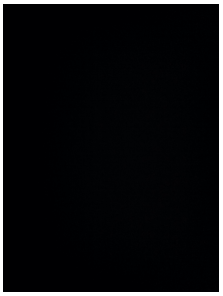
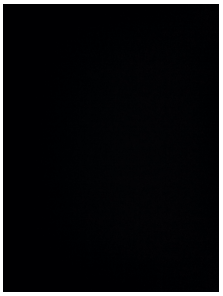
Bearing Type Image

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:	Watery
Grease Amt ODE:	Full	Grease Cond. ODE:	Watery
Seals DE type:	Slinger	Seals Image:	
Seals DE size:			
Seals DE (inbound) condition :			
		Seals Image 2:	
Seals ODE type:	Slinger		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	

Mechanical Inspection (Continued)

Brg. Image:

Bushings/sleeves image:

Water jacket: Ok

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: 18

Size of leads: 1

Lead condition: Good

Lug type: Regular

Lug Condition: Good

Lug size: 1

Lug Attachment: Acceptable

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

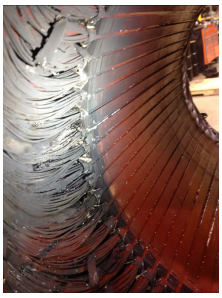
Stator type: Factory If other, stator type:

Stator condition: Ok If other, stator condition:

Failure location: In slot If other, stator failure:

Stator Image:

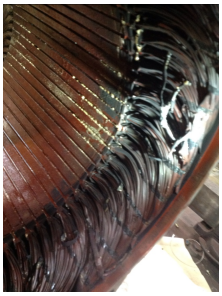
Failure Image:



AC Electrical Inspection (Continued)

Winding color: Dull black

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

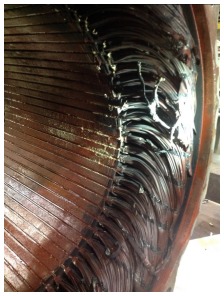
Hi-pot incoming: Bad

Winding Resistance Incoming

	Phases A to B	Phases B to C	Phases C to A	Resistive imbalance
Incoming	0	0	0	0

Leads/jumpers: Ok

Lead jumper Image. :



If other, leads/jumpers:

Conclusion

Component Failure

Ktg connected motor wrong

Cause of Failure

Overload on motor connections

Comments

Need connection class

Service Tech name: Terry f

Service Tech signature: