Job Information

Job #: 94545 Date: July 25, 2018

Priority: — Authorized OT: No Authorized by:

Customer Information

Name: Sage Foods Reason:

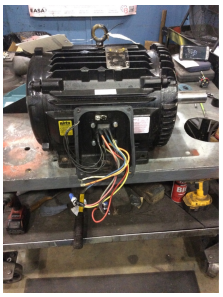
Contact: Motor#: PO#:

Application: — Special notes:

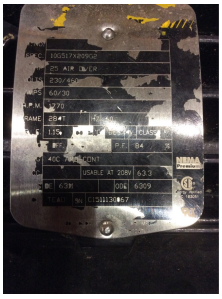
Name Plate Information

Manufacturer:	Baldor	Enclosure :	Open Drop Proof (ODP)
Serial#:	C1511130067	Model#:	10G5117X20962
Service Factor:	1.15	Frame:	284T
Horsepower/kW:	25	Rated RPM:	1770
Rated Amps:	60/30	Rated Voltage:	230/460
Phase:	3	Cycles:	60
Special design:	No		

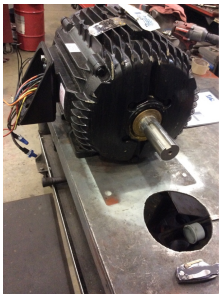
Enclosure Type image



Nameplate

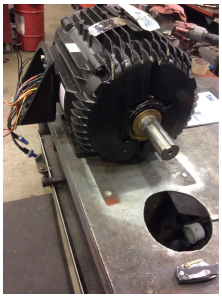


DE



ODE

F1



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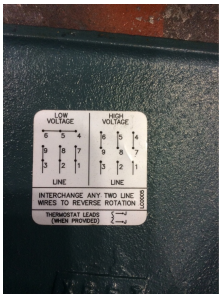


Top

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	No	Contaminant(s):	None
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	None
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):	<.001		

Bearings DE:	Worn	Bearings DE make:	Other
Insulated:	No	Bearing DE Size:	6311/2RS
Bearings ODE:	Worn	Bearings ODE make:	NTN
Bearing Type:	Ball	Bearing ODE Size:	6309/2RS
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	—

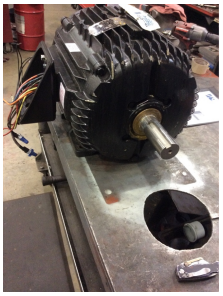
Bearing Type Image

Bearing Make Image

Bearing Retainer Image

Thermal Protection

Mechanical Inspection (Continued)

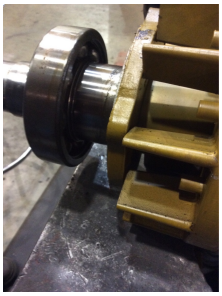
Lubrication Type:	Grease	Thermal Protection device DE:	N/A
Lubrication brand inbound:	Mobile Polyrex EM	Thermal Protection device ODE:	N/A
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	Full	Grease Cond. DE:	Gritty
Grease Amt ODE:	Full	Grease Cond. ODE:	Gritty
Seals DE type:	Slinger	Seals 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:

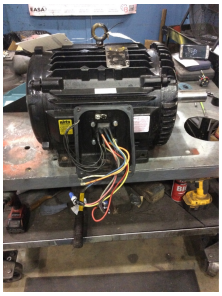
Bushings/sleeves image:

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: 9

Length of leads: 10”

Size of leads:

Lead condition: Good

Lug type:

Lug Condition: —

Lug size:

Lug Attachment: —

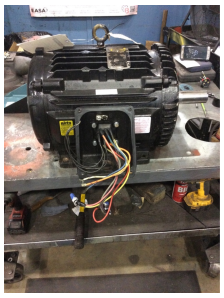
Terminal Markings:

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

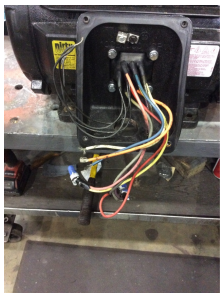
1-Blue
2-White
3-Orange
4-Yellow
5-Black
6-No color assigned
7-No color assigned
8-Red
P1-No color assigned
P2-Brown

Connections As Received:

Terminal



Lugs



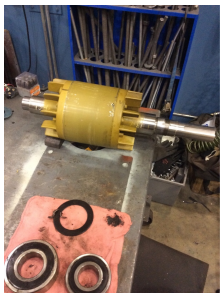
AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars:	40
Num broken bars:	0

Rotor



Rotor Test Results

Visual: Pass Growler: Pass Single phase: Pass

Stator type: Factory

If other, stator type:

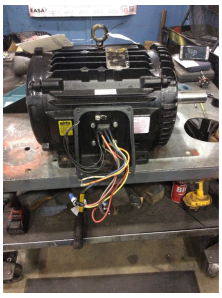
Stator condition: Ok

If other, stator condition:

Failure location: Other

If other, stator failure:

Stator Image:

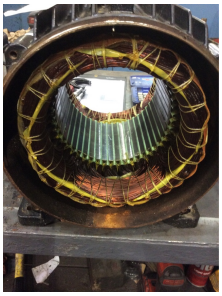


Failure Image:

AC Electrical Inspection (Continued)

Winding color:	Like new
Winding condition :	Solid
Winding Thermal Protection DE:	—
Winding Thermal Protection ODE:	—
Stator test results:	Salvageable

Winding image



Winding Thermal Protection: Yes

Megs incoming: Good

Surge incoming: Good

Hi-pot incoming: Good

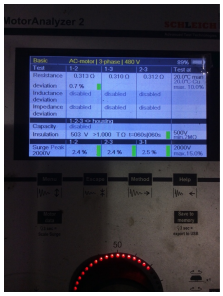
Winding Resistance Incoming

	Phases A to B	Phases B to C	Phases C to A	Resistive imbalance
Incoming	0.313	0.310	0.312	0.7

Leads/jumpers: Ok

If other, leads/jumpers: H1&H2(2ea)

Lead jumper Image. :



Conclusion

Component Failure

D.E.

Cause of Failure

Drive end bearing cage broken.

Comments

Drive end bearing cage failed. Found broken metal pieces of the cage inside the end bell housing, possibly due to contaminated grease which was blackened in color. The stator checked out fine and all measurements were within tolerance.

Service Tech name: Terrence Holland

Service Tech signature: