Job Information

Job #: 94200 Date: May 7, 2018

Priority: — Authorized OT: No Authorized by:

Customer Information

Name: Riviana foods Reason:

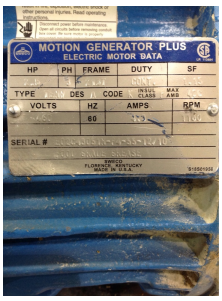
Contact: Motor#: PO#:

Application: — Special notes:

Name Plate Information

Manufacturer:	Sweco	Enclosure :	Totally Enclosed Non-Ventilated	Enclosure Type image
Serial#:	E02C4505IN-F4-55-12/10	Model#:		
Service Factor:	1.15	Frame:	213t	
Horsepower/kW:	2.5	Rated RPM:	1160	
Rated Amps:	4.3	Rated Voltage:	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):	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:	Worn	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	Nu 2313
Bearings ODE:	Worn	Bearings ODE make:	SKF
Bearing Type:	Cylindrical roller	Bearing ODE Size:	22313
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:	—
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	—
Lubrication brand outbound:	Unknown		
Grease Amt DE:	Full	Grease Cond. DE:	Gritty
Grease Amt ODE:	Full	Grease Cond. ODE:	Charred
Seals DE type:	Other	Seals Image:	
Seals DE size:			
Seals DE (inbound) condition :			
		Seals Image 2:	
Seals ODE type:	Other		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	

Mechanical Inspection (Continued)

Brg. Image:

Water jacket: N/A

Fan: N/A

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: —

Length of leads:

Size of leads:

Lead condition: —

Lug type:

Lug Condition: —

Lug size:

Lug Attachment: —

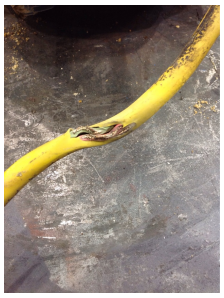
Terminal Markings:

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

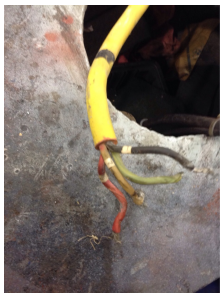
1-Blue
2-White
3-Orange
4-Yellow
5-Black
6-No color assigned
7-No color assigned
8-Red
P1-No color assigned
P2-Brown

Connections As Received:

Terminal



Lugs



AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars:

Num broken bars:

Rotor

Rotor Test Results

Visual: Pass Growler: Pass Single phase: Pass

Stator type: Factory

If other, stator type:

Stator condition: Ok

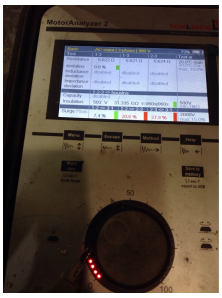
If other, stator condition:

Failure location: In slot

If other, stator failure:

Stator Image:

Failure Image:

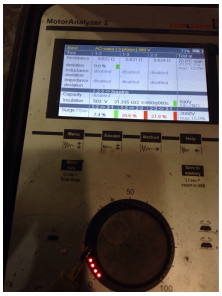


AC Electrical Inspection (Continued)

Winding color: Like new

Winding image

Winding Thermal Protection: Yes



Winding condition : Solid

Winding Thermal Protection DE: —

Winding Thermal Protection ODE: —

Stator test results: Rewind

Megs incoming: Good

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	5.5	5.6	5.6	0.0

Leads/jumpers: Ok

Lead jumper Image:

If other, leads/jumpers:

Conclusion

Component Failure

Cause of Failure

Multiple

Comments

Windings were full of grease, and the power cord had a gash in the insulation exposing the wiring. The drive end bearing housing fit is too tight and needs to be loosened up. The opposite drive end bearing journal has a lot of wear and needs to be resurfaced. Both seal surfaces are worn and need to be resurfaced.

Service Tech name: Terrence Holland

Service Tech signature: