

Job Information

Job #:	97166				Date:	August 7, 2020
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Hormel Foods		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Baldor	Enclosure :	Totally Enclosed Fan Cooled
Serial#:		Model#:	
Service Factor:	1.15	Frame:	447TY
Horsepower/kW:	200	Rated RPM:	3575
Rated Amps:	222	Rated Voltage:	460
Phase:	3	Cycles:	60
Special design:	No		

Enclosure Type image





DE

ODE

F1

F2

Тор







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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes	Contaminant(s):	Oil
Shaft rotation:	Bi-directional	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:	FAG
Insulated:	No	Bearing DE Size:	313-EC
Bearings ODE:	Worn	Bearings ODE make:	FAG
Bearing Type:	Ball	Bearing ODE Size:	6313-2Z
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	_

Bearing Type Image



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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:	0	Grease Cond. DE:	Other
Grease Amt ODE:	Full	Grease Cond. ODE:	Charred
Seals DE type:	Labyrinth		
Seals DE size:			
Seals DE (inbound) condition :			
Seals ODE type:	N/A		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	



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Mechanical Inspection (Continued)

Brg. Image:



Water jacket:	N/A	

Fan: Ok



Frame cond.: Good



Motor Mount Position: Horizontal/Foot mount

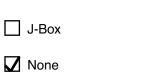
O-rings

Glands

Endbell type:

Single piece

Endbell Image:



Other missing parts

Missing parts?

J-Box cover

HH cover

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Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Single Pie	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	

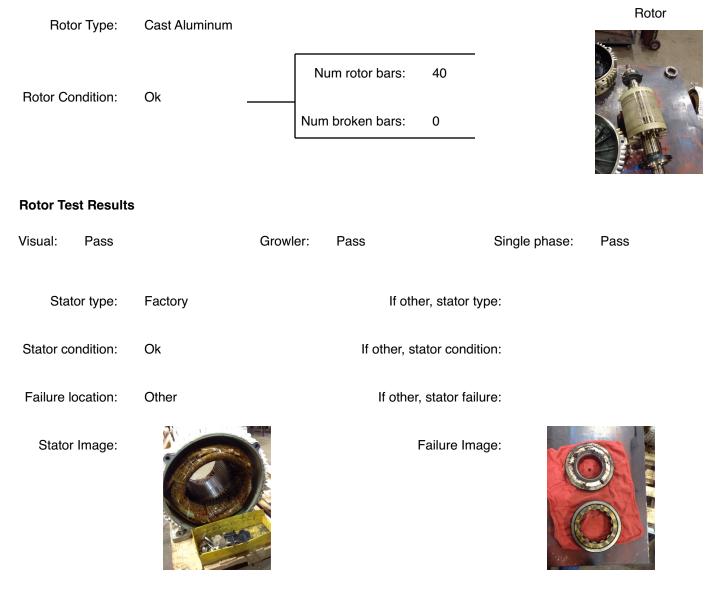
AC Electrical Inspection

Number of leads:	6	Terminal Markings:				
Length of leads:	16in	REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Markings Identified By Color:				
Size of leads:		1-Blue 2-White 3-Orange	5-Black 6-No color assigned 7-No color assigned	P1-No color assigned P2-Brown		
Lead condition:	Good	4-Yellow	8-Red			
Lug type:		Connections As Re	eceived:			
Lug Condition:	_		Terminal	Lugs		
Lug size:						
Lug Attachment:	_					

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Still has color	Winding	g image	Winding Therma	al Protection:	No	
Winding condition :	Solid						
Winding Thermal Protection DE:	_						
Winding Thermal Protection ODE:	_						
Stator test results:	Salvageable						
Megs incoming: Go	ood	Surge incoming:	Good	Hi-pot ir	ncoming:	Good	
Winding Resistance In	coming						
Phase	es A to B	Phases B to C	Phases	G to A	Resistive ir	mbalance	
Incoming 0.00		0.00	0.00				
Leads/jumpe	ers: Ok		Lead	jumper Image.			
If other, leads/jumpe	ers:						
Mechanical Inspection							
Inspect bolt holes and fa	asteners. Validat	te correct fasteners.					
Shaft Conc	lition: Good		Bearings	Retainer: Y	′es		
The state of the s	•		D				

Shaft runout(TIR-Inbound):

Type of grounding device:

Retainer condition:

: Good

Bearing ODE Size:

Bearing DE Size:

313-EC

6313

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Mechanical Inspection (Continued)

Seals DE condition :	Worn	Brg. Seats DE:	Good
Seals DE type:	Labyrinth	If DE undersized, amt.:	
Seals DE size:		Brg. Seats ODE:	Good
Seals DE (inbound) condition :		If ODE undersized, amt.:	
Seals ODE condition :	None	Shaft damage:	ОК
Seals ODE type:	N/A		
Seals ODE size:		Bushings/sleeves DE:	Ok
Seals ODE (inbound) condition :		Bushings/sleeves ODE:	Ok
Endbell fits/damage:	Good	Foot/Flange condition:	Ok
Endbell DE size:	5.5130	Foot flatness:	Pass
Endbell DE insulated?:	_	Does Air Gap Meet Cus	stomer or EASA spec(<10%
Endbell ODE size:	5.5130	variation)?	
Endbell ODE insulated?:	_	_	

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Conclusion

Component Failure

Bearings and ODE shaft bearing fit

Cause of Failure

Frosting and wear

Comments

Recommend new bearings, reconditioning, and machine work

Service Tech name:

Chris Wiley

Service Tech signature:

Chro lileb

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