

Job Information

Job #:	95850				Date:	August 7, 2019
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Vilonia waste water		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Siemens	Enclosure :	Totally Enclosed Fan Cooled
Serial#:		Model#:	11a92062wa90z
Service Factor:	1.15	Frame:	2001
Horsepower/kW:	30 kw	Rated RPM:	3555
Rated Amps:	102/51	Rated Voltage:	230/460
Phase:	3	Cycles:	60
Special design:	No		

Enclosure Type image



Nameplate

DE

ODE

F1



Тор













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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	No	Contaminant(s):	
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	None
Shaft grounding device present?:	No		
Type of grounding device:			
Shaft runout(TIR-Inbound):	0.001		
Bearings DE:	Worn	Bearings DE make:	Other
Insulated:	No	Bearing DE Size:	6312soc3
Bearings ODE:	Worn	Bearings ODE make:	Other
Bearing Type:	Ball	Bearing ODE Size:	6212soc3
Bearings Retainer:	Yes	Thermal Protection:	Yes

Retainer condition: Good

Bearing Type Image



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CENTRAL ARKANSAS 6812 Lindsey Rd. Little Rock, AR 72206 Phone 501-375-9178 Fax 501-375-4254

Thermal Protection Type:

Bearing Retainer Image

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Thermal Protection





Mechanical Inspection (Continued)

Lubrication Type:	Grease	Thermal Protection device DE:	Thermistors
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	N/A
Lubrication brand outbound:	Unknown		
Grease Amt DE:	Full	Grease Cond. DE:	Charred
Grease Amt ODE:	Full	Grease Cond. ODE:	Charred
Seals DE type:	Isolators	Seals Image:	
Seals DE size:	60x80x8		
Seals DE (inbound) condition :	Worn		
Seals ODE type:	N/A		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	Other	Shaft Image:	



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Mechanical Inspection (Continued)

Brg. Image:



Water jacket:	N/A		Fan:	Broken	Frame co	nd.:	Good
Motor Mount Pos	ition: Horizontal/Fe	oot mount			Endbell type:	Sing	le piece
Missing parts		J-Box		Endbell Image:			
HH cover	Glands	None					
Other missing pa							

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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	

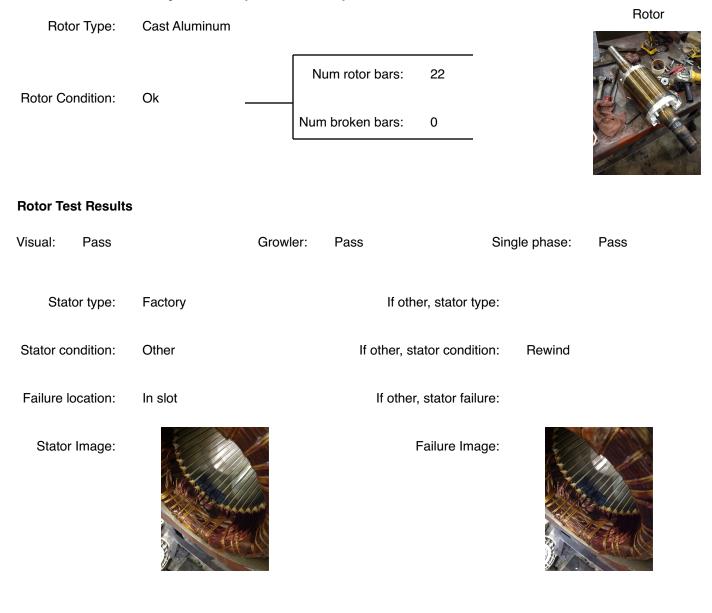
AC Electrical Inspection

Number of leads:	12	Terminal Markings:		
Length of leads:	10 "	REF: NEMA Stds Markings Identifie	s. MG 1-2009, Rev. 1- ed By Color:	2010, 2.41-Terminal
Size of leads:	4	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:	Copper	Connections As Red	ceived:	
Lug Condition:	Good	T	Ferminal	Lugs
Lug size:	Same			
Lug Attachment:	Acceptable	K		

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Like new	Winding	g image	Winding Thermal	Protection:	Yes
Winding condition :	Solid				E	-
Winding Thermal Protection DE:	Good					
Winding Thermal Protection ODE:	_				Cons.	
Stator test results:	Rewind					
Megs incoming: Ba	d	Surge incoming:	Bad	Hi-pot inc	coming: Ba	ad
Winding Resistance In	coming					
Phase	es A to B	Phases B to C	Phase	es C to A	Resistive imb	alance
Incoming						
Leads/jumpe	ers: Ok					
If other, leads/jumpe	ers:					

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition:	Good	Bearings Retainer:	Yes
Type of grounding device:		Bearing DE Size:	6312soc3
Shaft runout(TIR-Inbound):	0.001	Bearing ODE Size:	6212soc3
Retainer condition:	Good		

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Mechanical Inspection (Continued)

Seals DE condition :	Worn	Brg. Seats DE:	Good
Seals DE type:	Isolators	If DE undersized, amt.:	
Seals DE size:	60x80x8	Brg. Seats ODE:	Good
Seals DE (inbound) condition :	Same	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:	5.1195	Foot flatness:	Pass
Endbell DE insulated?:	No	Does Air Gap Meet Cu	stomer or EASA spec(<10%
Endbell ODE size:	4.3318	variation)?	
Endbell ODE insulated?:	No	_	

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Conclusion

Component Failure

Bearings, windings, seal, bearing fit on shaft

Cause of Failure

Bearings losing lubrication and frosting

Comments

Service Tech name: Trevor Hall

Service Tech signature:



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