

Job Information

Job #:	141404				Date:	January 3, 2020
Priority:	-	Authorized OT:	No	Authorized by:		

Customer Information

Name:	HSLR			Reason:	
Contact:		Motor#:	141404		PO#:
Application:	Radial Load	Special not	es:		

Name Plate Information

Manufacturer:	Worldwide	Enclosure :	Open Drop Proof (ODP)
Serial#:	10015 GHJ	Model#:	WWB4001858677 UZ
Service Factor:	1.15	Frame:	586/7uz
Horsepower/kW:	00	Rated RPM:	1790
Rated Amps:	430	Rated Voltage:	460
Phase:	3	Cycles:	60
Special design:	No		

Enclosure Type image



Nameplate

DE

ODE

F1

F2





Тор



















Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	No	Contaminant(s):	Dirt
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	Cup
Shaft grounding device present?: Type of grounding device:	No	Contaminant Image:	
Shaft runout(TIR-Inbound):	N/A		

Bearings DE:	Locked up	Bearings DE make:	FAG
Insulated:	No	Bearing DE Size:	NU326
Bearings ODE:	Worn	Bearings ODE make:	FAG
Bearing Type:	Ball	Bearing ODE Size:	6324
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Bad	Thermal Protection Type:	_

Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection



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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:	N/A	Grease Cond. DE:	Charred
Grease Amt ODE:	N/A	Grease Cond. ODE:	Gritty
Seals DE type:	Slinger	Seals Image:	
Seals DE size:	V-130		\square
Seals DE (inbound) condition :	Cracked		
Seals ODE type:	N/A	Seals Image 2:	
Seals ODE size:			
Seals ODE (inbound) condition :			

Shaft damage cause:

Other

Shaft Image:



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Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket: Ok			Fan:	Ok	Frame co	ond.:	Good
Motor Mount Position	: Horizontal/Fo	ot mount			Endbell type:	Singl	e piece
Missing parts?					Endbell Image:		10 miles
J-Box cover	O-rings	J-Box					· · ·
HH cover	Glands	Vone 🛛					
Other missing parts							

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Mechanical Inspection (Continued)

Air Gap Me	eaurements (N/A on Single Piece E	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:	1-2-3-4-5-6	
Length of leads:	12"	REF: NEMA Stds Markings Identifie	. MG 1-2009, Rev. 1- ed By Color:	2010, 2.41-Terminal
Size of leads:	1/0	1-Blue 2-White	5-Black 6-No color assigned	P1-No color assigned P2-Brown
Lead condition:	Good	4-Yellow	8-Red	
Lug type:	N/A	Connections As Rec	eived: Open	
Lug Condition:	_	Т	erminal	Lugs
Lug size:	N/A			
Lug Attachment:	Replace	E.C.		

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding cold	or:	Painted	Winding	g image	Winding Therma	I Protection:	Yes
Winding condition	n :	Losing bond	2				
Winding Therm Protection D	nal E:	_					
Winding Therm Protection OD	nal E:	_		Contraction of the second			
Stator test result	ts:	Rewind					
Megs incoming:	Good	ł	Surge incoming:	Bad	Hi-pot in	coming: (Good
Winding Resistan	ce In	coming					
I	Phase	es A to B	Phases B to C	Phase	es C to A	Resistive im	balance
Incoming	0.008	3116	0.008056	0.008	3070	0.7	
Leads/j	jumpe	ers: Ok		Lead jun	nper Image. :		Chi-Po of the
If other, leads/j	jumpe	ers:					

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Conclusion

Component Failure

Bearings-bearing retainer D.E. inside an outside both are bad JRL V-RING-TERMINAL BOX and winding is bad

Cause of Failure

Rocks got into the bearings and caused them too lock up and weld the drive end retainer and bearings too the shaft

Comments

REWIND STATOR TWO NEW BEARINGS 6324 /NU6326 NEW D.E.INSIDE BEARING RETAINER REPAIR D.E.OUTSIDE BEARING RETAINER REPAIR D.E.JRL

Service Tech name: Michael

Service Tech signature:

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