

MILLINGTON, TN LITTLE ROCK, AR

Job Information

Job #:	96058				Date:	October 1, 2019
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Welspun		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	WEG	Enclosure :	Totally Enclosed Fan Cooled
Serial#:		Model#:	
Service Factor:	1.25	Frame:	404/5T
Horsepower/kW:	100	Rated RPM:	1775
Rated Amps:	111	Rated Voltage:	
Phase:	3	Cycles:	
Special design:	No		

Enclosure Type image





DE

ODE

F1

F2

Тор









WEST TENNESSEE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes	Contaminant(s):	Other
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:	NSK
Insulated:	No	Bearing DE Size:	6316
Bearings ODE:	Worn	Bearings ODE make:	SKF
Bearing Type:	Ball	Bearing ODE Size:	6314
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Bad	Thermal Protection Type:	_

Bearing Type Image



Bearing Make Image



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

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:	Other
Grease Amt ODE:	Full	Grease Cond. ODE:	Other
Seals DE type:	N/A		
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
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Fan: Ok



Frame cond.: Good



Motor Mount Position:	Horizontal/F	Foot mount	
Missing parts?			Endbell Image:
J-Box cover	O-rings	J-Box	

HH cover

V None Glands

Endbell type:

Single piece



Other missing parts

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Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Sing	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

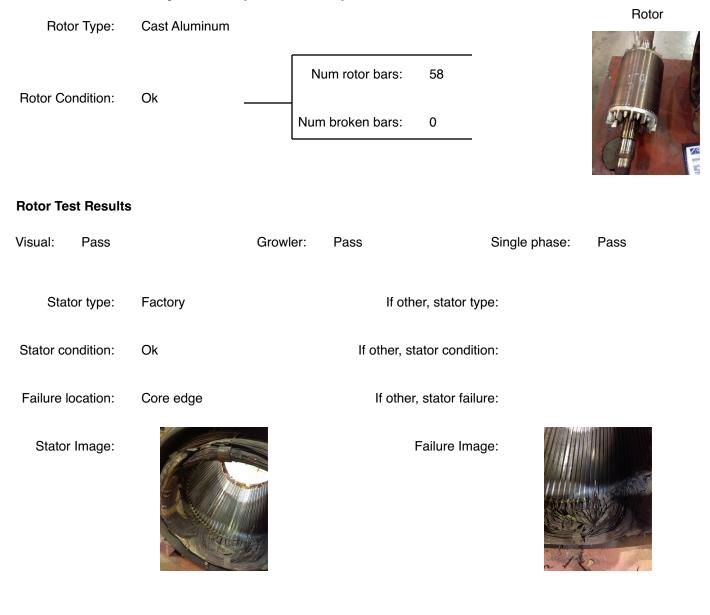
Number of leads:	12	Terminal Markings	::			
Length of leads:	13in	REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Markings Identified By Color:				
Size of leads:		1-Blue 2-White 3-Orange	5-Black 6-No color assigned 7-No color assigned	P1-No color assigned P2-Brown		
Lead condition:	Good	4-Yellow	8-Red			
Lug type:		Connections As F	Received:			
Lug Condition:	Good		Terminal	Lugs		
Lug size:						
Lug Attachment:	_					

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Dull black	Winding	g image	Winding Thermal	Protection	: No
Winding condition :	Charred	iller Mari				
Winding Thermal Protection DE:						
Winding Thermal Protection ODE:						
Stator test results:	Rewind					
Megs incoming: Ge	bod	Surge incoming:	Good	Hi-pot inc	coming:	Good
Winding Resistance In	coming					
Phas	es A to B	Phases B to C	Phase	es C to A	Resistive i	mbalance
Incoming 0.00	1	0.00	0.00			
Leads/jump	ers: Ok					
If other, leads/jump	ers:					

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition:	Good	Bearings Retainer:	Yes
Type of grounding device:		Bearing DE Size:	6316
Shaft runout(TIR-Inbound):	0.002	Bearing ODE Size:	6314
Retainer condition:	Good		

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Mechanical Inspection (Continued)

Seals DE condition :	None	Brg. Seats DE:	Good	
Seals DE type:	N/A	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:	6.6939	Foot flatness:	Pass	
Endbell DE insulated?:	_	Does Air Gap Meet Cus	Does Air Gap Meet Customer or EASA spec(<10% variation)?	
Endbell ODE size:	5.9065	variation)?		
Endbell ODE insulated?:	_	_		

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Conclusion

Component Failure

Cause of Failure

Comments

Windings are blown on the DE side and the bearings show signs of lubricant mixing and contamination

Service Tech name: 0

Chris Wiley

Service Tech signature:

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