

Job Information

Job #:	142054				Date:	March 10, 2020
Priority:	_	Authorized OT:	No	Authorized by:	Terry f	

Customer Information

Name:	Process and power		Reason:	
Contact:	Jeff	Motor#:		PO#:
Application:	_	Special notes:	Rewind	

Name Plate Information

Manufacturer:	Marathon	Enclosure :	Open Drop Proof (ODP)	Enclosure Type image
Serial#:	39477922	Model#:	445tstds8227bn	FT -
Service Factor:	1.15	Frame:	445tdz	
Horsepower/kW:	200	Rated RPM:		
Rated Amps:	231	Rated Voltage:	460	
Phase:	3	Cycles:		
Special design:	No			

Nameplate

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.

Contaminant(s):	None
Contaminant(s) Amt:	None
Contaminant Image:	
	Not
	Contaminant(s) Amt:

Bearings DE:	Worn	Bearings DE make:	FAG
Insulated:	No	Bearing DE Size:	NU 316
Bearings ODE:	Worn	Bearings ODE make:	FAG
Bearing Type:	Ball	Bearing ODE Size:	6316
Bearings Retainer:	Yes	Thermal Protection:	Yes
Retainer condition:	_	Thermal Protection Type:	_

Bearing Type Image



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Thermal Protection

Available





Mechanical Inspection (Continued)

Lubrication Type:	Grease	Thermal Protection device DE:	_
Lubrication brand inbound:	Mobile Polyrex EM	Thermal Protection device ODE:	_
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	Full	Grease Cond. DE:	New
Grease Amt ODE:	Full	Grease Cond. ODE:	New
Seals DE type: Seals DE size:	Slinger	Seals Image:	A No-t
Seals DE (inbound) condition :			
Seals ODE type:	Slinger	Seals Image 2:	A No-1
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	



t Available

Available r main-tenance

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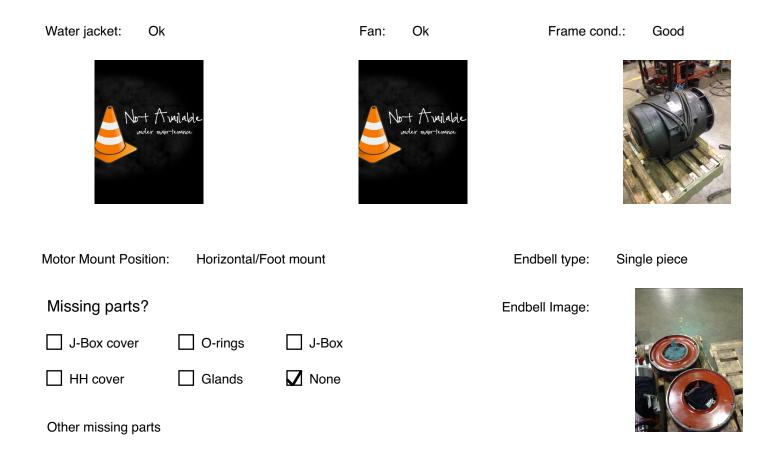
Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:





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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	

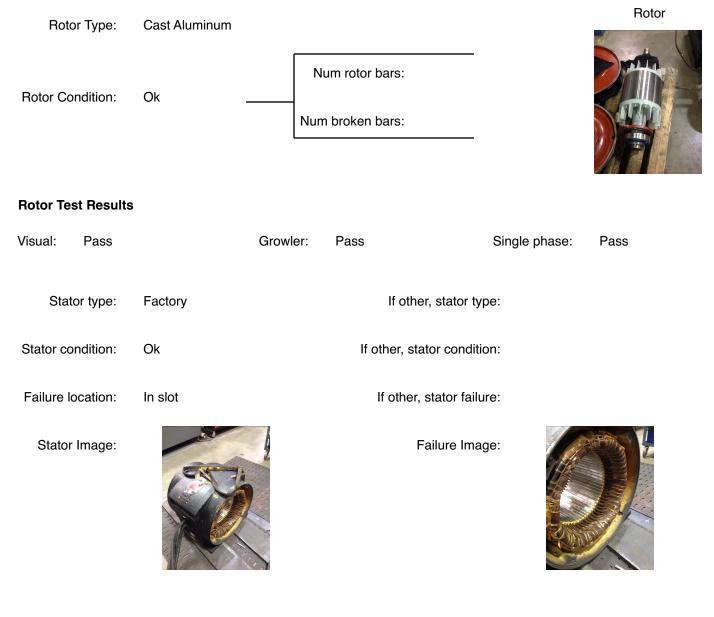
AC Electrical Inspection

Number of leads:	6	Terminal Markings:	1-6	
Length of leads:	12 foot	REF: NEMA Stds Markings Identifie	a. MG 1-2009, Rev. 1- ed By Color:	2010, 2.41-Terminal
Size of leads:	AWG 1	1-Blue 2-White 3-Orange	5-Black 6-No color assigned 7-No color assigned	P1-No color assigned P2-Brown
Lead condition:	_	4-Yellow	8-Red	
Lug type:		Connections As Rec	ceived: No lugs	
Lug Condition:	_	т	erminal	Lugs
Lug size:				
Lug Attachment:	_		P	

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Like new	Winding	j image	Winding Therma	Protection:	Yes
Winding condition :	Solid					Δ
Winding Thermal Protection DE:	_	Not Atvailable under nuin-tennee				
Winding Thermal Protection ODE:	_					
Stator test results:	Rewind					
Megs incoming: Bad		Surge incoming:	Bad	Hi-pot in	coming: Ba	ad
Winding Resistance Inc	coming					
Phase	es A to B	Phases B to C	Phase	es C to A	Resistive imb	alance
Incoming						
Leads/jumpe	ers: Ok		Lead jun	nper Image. :		
If other, leads/jumpe	ers:				No-t A under m	TVAILable ain-tenance

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Conclusion

Component Failure

Winding

Cause of Failure

Customer single phased motor

Comments

Hi speed technician went out with Processing and power to check motor with meg tester and Pdma tester . Found the motor was single phased due to a bad contact-or

Service Tech name: Terry f

Service Tech signature:

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