

Job Informatio

Job #:	141575				Date:	January 10, 2020
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

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

Name Plate Information

Manufacturer:	: Baldor	Enclosure :	Open Drop Proof	Enclosure Type image	
Serial#:	K1203280011	Model#:			
Service Factor:	1.15	Frame:	23eb5010dz		
Horsepower/kW:	350	Rated RPM:	1789		
Rated Amps:	45	Rated Voltage:	4160	No. 1	
Phase:	3	Cycles:			
Special design:	No				

Nameplate

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?:	No	Contaminant(s):	Other
Shaft rotation:	CW	Contaminant(s) Amt:	Other
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			

Shaft runout(TIR-Inbound):

Bearings DE:	Fell Apart	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	6222
Bearings ODE:	Other	Bearings ODE make:	SKF
Bearing Type:	Ball	Bearing ODE Size:	6222
Bearings Retainer:	Yes	Thermal Protection:	Yes
Retainer condition:	Bad	Thermal Protection Type:	_

Bearing Type 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:	N/A
Lubrication brand inbound:	Mobile Polyrex EM	Thermal Protection device ODE:	N/A
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	0	Grease Cond. DE:	Hard
Grease Amt ODE:	0	Grease Cond. ODE:	Gritty
Seals DE type: Seals DE size: Seals DE (inbound) condition :	N/A	Seals Image:	
Seals ODE type: Seals ODE size: Seals ODE (inbound) condition :	N/A	Seals Image 2:	

Shaft damage cause:

Other

Shaft Image:



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Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket: N/A



Fan: Ok



Frame cond.: Good



Motor Mount Position:	Horizontal/I	Foot mount
Missing parts?		
J-Box cover	O-rings	🖌 J-Box
HH cover	Glands	None



Single piece

Endbell Image:



Other missing parts

Full box

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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:	3	Terminal Markings	5:	
Length of leads:	18 inches	REF: NEMA S Markings Iden	tds. MG 1-2009, Rev. 1- tified 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:	Regular	Connections As I	Received:	
Lug Condition:	Bad		Terminal	Lugs
Lug size:	3/8	0	1	
Lug Attachment:	Replace			

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Dull black	Winding in	nage Win	ding Thermal Pr	rotection:	Yes
Winding condition :	Cracks					
Winding Thermal Protection DE:	_					
Winding Thermal Protection ODE:	_					
Stator test results:	Rewind					
Megs incoming: Bad		Surge incoming: B	ad	Hi-pot incon	ning: Bao	d
Winding Resistance In	coming					
Phase	es A to B	Phases B to C	Phases C t	o A Re	esistive imba	llance
Incoming						
Leads/jumpe	ers: Ok		Lead jumper	Image. :		
If other, leads/jumpe	ers:					

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Conclusion

Component Failure

Bearings,end bell ,rotor

Cause of Failure

Lack of grease, motor overheating coupling moved impact load

Comments

Snap ring behind bearings in front of end bell caps Weak rotor bars What the inner race of bearing on d.e is Impact load the cause of failure caused the bearing to weld itself to shaft and defective the fit of end bell Rotor has weak bars tested cool and hot both test detected weak bars on growler test with X-ray paper

Service Tech name: Terry f

Service Tech signature:



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