Job Information

Job #: 139733 Date: May 14, 2019

Priority: — Authorized OT: No Authorized by:

Customer Information

Name: MLGW Reason: Motor inspection

Contact: David Morten Motor#: PO#:

Application: — Special notes:

Name Plate Information

Manufacturer: US Enclosure : Open Drop Proof (ODP)

Serial#: P08P1940370R-1 Model#:

Service Factor: Frame: 445TP

Horsepower/kW: 150 Rated RPM: 1180

Rated Amps: 140 Rated Voltage: 460

Phase: 3 Cycles: 60

Special design: No

Enclosure Type image

Nameplate

DE

ODE

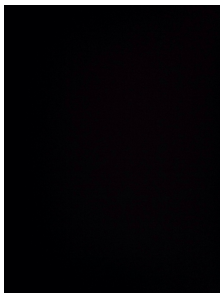
F1

F2

Top

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes	Contaminant(s):	None
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	None
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):			

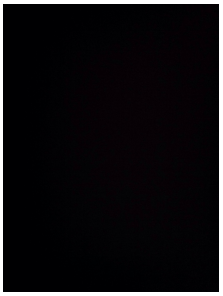
Bearings DE:	Worn	Bearings DE make:	NTN
Insulated:	No	Bearing DE Size:	7322B
Bearings ODE:	Worn	Bearings ODE make:	NTN
Bearing Type:	Ball	Bearing ODE Size:	6215zz
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	—

Bearing Type Image

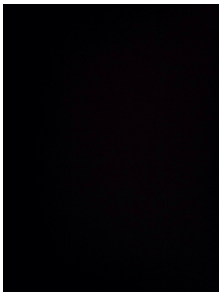
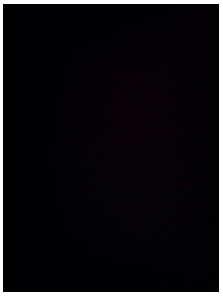
Bearing Make Image

Bearing Retainer Image

Thermal Protection



Mechanical Inspection (Continued)

Lubrication Type:	Oil	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:	N/A	Seals Image:	
Seals DE size:			
Seals DE (inbound) condition :			
		Seals Image 2:	
Seals ODE type:	N/A		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	

Mechanical Inspection (Continued)

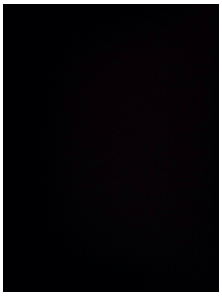
Brg. Image:

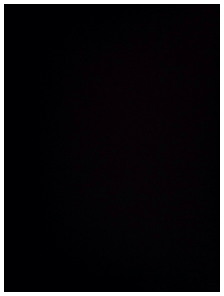
Bushings/sleeves image:

Water jacket: N/A

Fan: N/A

Frame cond.: Good





Motor Mount Position: Horizontal/Foot mount

Endbell type: Single piece

Missing parts?

- ☐ J-Box cover
- ☐ O-rings
- ☑ J-Box
- ☐ HH cover
- ☐ Glands
- ☐ None

Endbell Image:

Other missing parts

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:	6
Length of leads:	18 inches
Size of leads:	2 AWG
Lead condition:	Good
Lug type:	Standard
Lug Condition:	Good
Lug size:	2 AWG
Lug Attachment:	—

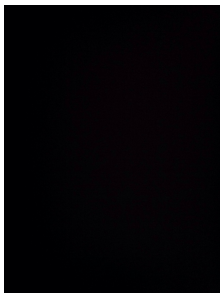
Terminal Markings:

REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Markings Identified By Color:

1-Blue	5-Black	P1-No color assigned
2-White	6-No color assigned	P2-Brown
3-Orange	7-No color assigned	
4-Yellow	8-Red	

Connections As Received:

Terminal



Lugs

AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars:	84
Num broken bars:	0

Rotor

Rotor Test Results

Visual: Pass Growler: Pass Single phase: Pass

Stator type: Factory If other, stator type:

Stator condition: Ground If other, stator condition:

Failure location: Coil head If other, stator failure:

Stator Image:

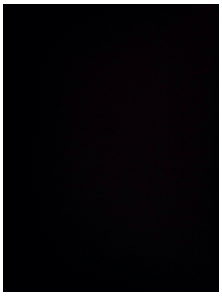
Failure Image:

AC Electrical Inspection (Continued)

Winding color: Still has color

Winding image

Winding Thermal Protection: No



Winding condition : Solid

Winding Thermal Protection DE: —

Winding Thermal Protection ODE: —

Stator test results: Rewind

Megs incoming: Bad

Surge incoming: Bad

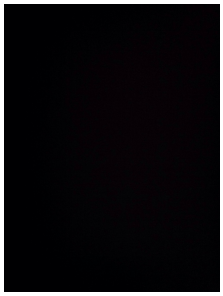
Hi-pot incoming: Bad

Winding Resistance Incoming

	Phases A to B	Phases B to C	Phases C to A	Resistive imbalance
Incoming				

Leads/jumpers: Ok

Lead jumper Image. :



If other, leads/jumpers:

Conclusion

Component Failure

Cause of Failure

Possible overload of motor.

Comments

Windings blown in coil head near iron

Service Tech name: Dan Mahan

Service Tech signature: