Job Information

Job #: 141876 Date: February 4, 2020

Priority: — Authorized OT: No Authorized by:

Customer Information

Name: West Memphis Steel Reason:

Contact: Motor#: PO#:

Application: — Special notes:

Name Plate Information

Manufacturer: Walker Enclosure : Totally Enclosed Wash down

Enclosure Type image

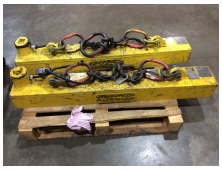
Serial#: Model#:

Service Factor: Frame:

Horsepower/kW: Rated RPM:

Armature	Volts	Fields	Volts
	Amps		Amps

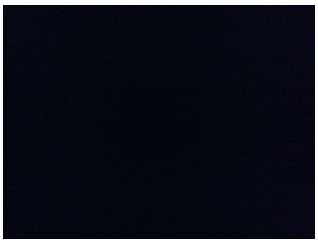
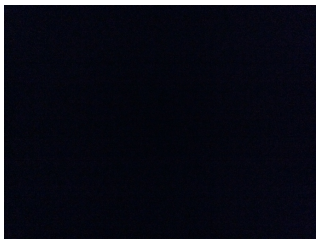
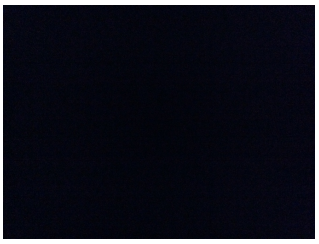
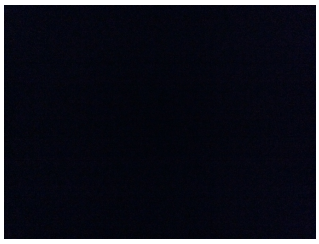
Nameplate DE ODE F1 F2 Top



Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

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

Bearing Type Image	Bearing Make Image	Bearing Retainer Image	Thermal Protection
			

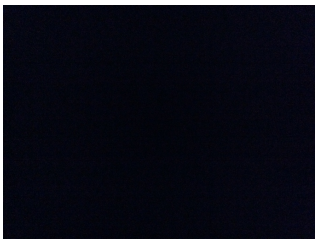
Lubrication Type:	Oil	Thermal Protection device DE:	—
Lubrication brand inbound:	Mobile Polyrex EM	Thermal Protection device ODE:	—
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	Full	Grease Cond. DE:	New
Grease Amt ODE:	Full	Grease Cond. ODE:	New

Mechanical Inspection (Continued)

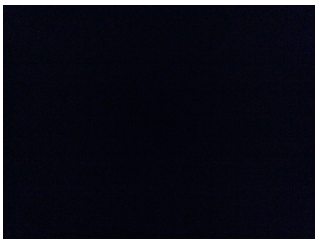
Brushholders
- Number
- Condition Good
- Size
- Spring type

Brushes
- Number
- Size
- Shunt Len.
- Insulated No
- TermType

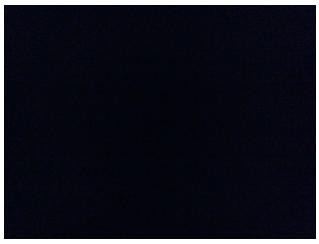
Brg Image



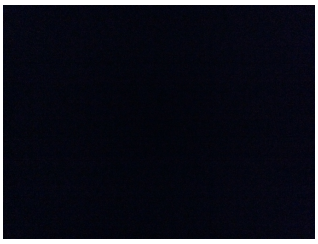
Shaft Image



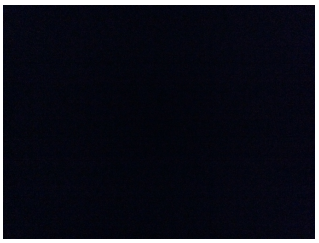
Brushing/sleeves



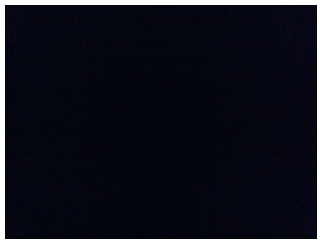
End bell



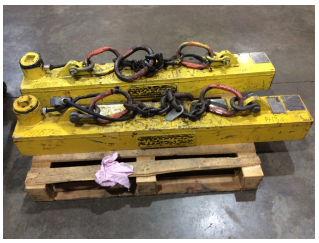
Water jacket: N/A



Fan: N/A



Frame cond.: Good



Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok

Foot flatness: Pass

Mechanical Inspection (Continued)

Missing parts?

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

Other missing parts

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	

Electrical Inspection

☐ Move armature imbalance to Assemble

Commutator: —

Winding Inspection

Meg Test IP to Flds: —

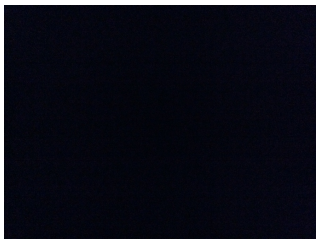
Polarity Check IP to Flds: —

Meg Series to Shunt: —

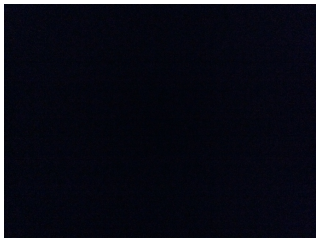
DC Electrical Inspection

Brushes:	Normal wear	
Brush holders:	Salvageable	Qty.
Insulators:	Salvageable	Qty.
Lead support stud:	Salvageable	Qty.
Rocker ring:	Salvageable	Qty.

Brush Image:

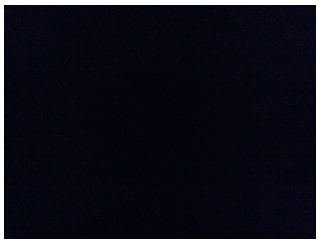


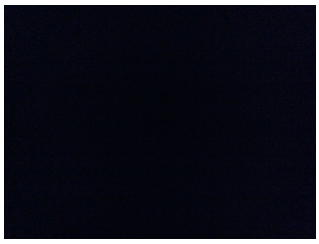
Alternate brush image:



Commutator Type:	Tig welded
Commutator Hardness:	Good
Commutator Condition :	Oil soaked
Commutator Film:	Ok

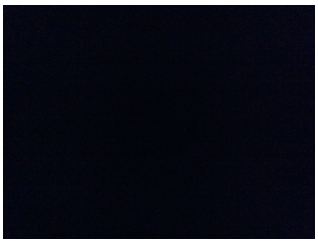
Commutator images





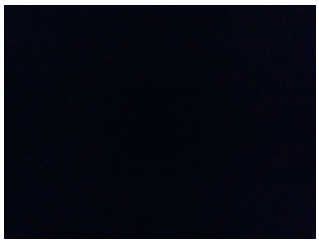
Armature type:	Factory	If other
Failure mode:	Ok	If other
Failure location:	Front V ring	If other
Armature condition:	Solid	If other
Winding color:	Like new	

Armature images



DC Electrical Inspection (Continued)

Armature image



Armature Test Results

Megs: Good Hi-pot: Good Core loss: Good

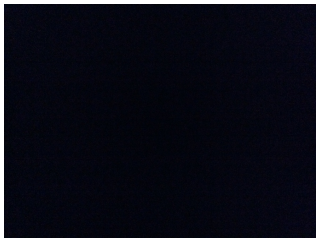
Fields condition

Series/Stab condition: Ok

Shunts condition: Ok

InterCoils condition: Ok

Fields condition image:



Fields test results

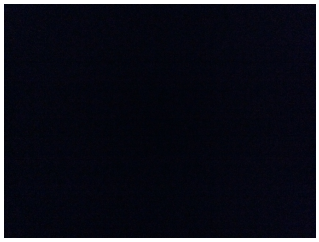
Series/Stab	Meg:	Ok	Hi Pot:	Ok	Resistance:	Ok
Shunts	Meg:	Ok	Hi Pot:	Ok	Resistance:	Ok
InterCoils	Meg:	Ok	Hi Pot:	Ok	Resistance:	Ok

Thermistors: In use

RTD: In use At

Thermostat: Open

Field Test image



Leads/jumpers: Ok

Lead jumper Image:

Conclusion

Component Failure

Leads cut and spiced together

Cause of Failure

Jbox insulation be came soft.

Comments

Service Tech name: Kelly Felts

Service Tech signature:

Kelly Felts