

FolderID: 101787 FormID: 17717421



AC Inspection as Found Lexicon (10257) 8900 Fouche Dam Pike

Little Rock, AR

AC Inspection - Rev. 2					
Location: SHOP					
Serial Number: NO NP					
Description:NORD GEARMOTOR					

Hi-Speed Job Number:	101787
Manufacturer:	Nord
RPM:	1800 (RPM)
Phase:	Three
Hz:	60 (Hz)
Enclosure:	TEFC
J-box Included:	Complete
Coupling/Sheave:	Gear
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Final
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: **2 - High**

6 - Good

Overall Condition

1. Report Date

Nameplate Picture 2.

No name plate attached.

3. Photos of all six sides of the machine.





P45

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- 4. Describe the Overall Condition of the Equipment as Received *Dirty and oily but serviceable.*
- 5. Distance from the end of the shaft to the Coupling/Sheave

inches

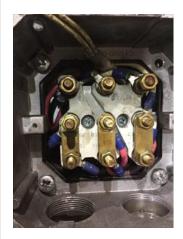
Initial Mechanical/Electrical

6. Does Shaft Turn Freely?

(Yes) Yes



- 8. Assembled Shaft Runout
- 9. Assembled Shaft End Play
- 10. Air Gap Variation <10%
- 11. Lead Condition(P) PassP55



	12. Lead Length			6 Inches	
	13.	Lead Numbers		1-9	
	14.	Frame Condition		pass	
	15.	Fan Condition		(P) Pass	
	16.	Broken or Missing Components		fan cover missing some mount bolts	
In	itial E	Electrical Inspection			Ō
	17.	Insulation Resistance/Megger			
	18.	Winding Resistance			
		1-2	1-3	2-3	



20.	Number of Stator Slots	40
21.	Stator Condition	pass
22.	Stator Thermistors/Ohms	
23.	Stator Overloads/Ohms	
		_

Mecha	inical Inspection		0
24.	Drive End Bearing Brand	skf	
25.	Drive End Bearing Number-	6308	P30



26. Drive End Bearing Qty.







28. Drive End Lubrication Type (Grease) Grease Lubricated

29.	Drive End Bearing Insulation or Grounding Device?	none	
30.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	2 wavy washers	
31.	Drive End Bearing Condition	replace	
32.	Opposite Drive End Bearing Brand	skf	
33.	Opposite Drive End Bearing Number-	6308	P90



34. Opposite Drive End Bearing Qty.

35. Opposite Drive End Bearing Type (Ball) Ball Bearing P93





36.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated
37.	Opposite Drive End Bearing Insulation or Grounding Device?	
38.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	2 snap rings, inner and outer
39.	Opposite Drive End Bearing Condition	replace
40.	Drive End Seal	40*62*7
-	Have replacement seal on hand	
41.	Opposite Drive End Seal	40*52*7
-	Have replacement seal on hand	
Rotor Inspection		



43.	Growler Test	(Pass) Pass
44.	Number of Rotor Bars	28
45.	Rotor Condition	pass
46.	List the Parts needed for the Repair Below	
	(2) 6308 2Z C3 bearings. Sleeve both end-bell housings	
47.	Signature of Technician that Disassembled Motor	Terrence Holland

L Hell

Mechanical Fits- Rotor

48.	Shaft	Runout
чο.	Onan	ranoat

49. Rotor Runout

Drive End Bearing Fit Rotor Body Opposite Drive End Bearing

50. Coupling Fit Closest to Bearing Housing

0 Degrees 90 Degrees 120 Degrees

51. Coupling Fit Closest to the end of the Shaft

0 Degrees 60 Degrees 120 Degrees

Gear is worn beyond acceptable standards. Customer was notified but wanted the motor repaired anyway without fixing the worn gear.

52. Drive End Bearing Shaft Fit

0 Degrees 60 Degrees 120 Degrees 1.5751 1.5752 1.5751

53. Drive End Bearing Shaft Fit Condition
(P) Pass

54. Opposite Drive End Bearing Shaft Fit

0 Degrees 60 Degrees 120 Degrees

1.5754 1.5753 1.5754

55. Opposite Drive End Bearing Shaft Fit Condition (P) Pass

56.	Shaft Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
Mecha	anical Fits- Bearing Housings		
	Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	o Degrees	oo begiees	120 Degrees
	Bad. Excessive wear and pitting		
58.	Drive End - Endbell Bearing Fit C	condition	(F) Fail
59.	•		(1)1 (11)
55.	0 Degrees	60 Degrees	120 Degrees
	o Degrees	ou Degrees	120 Degrees
	Bad. Excessive wear and pitting		
6 0.	Opposite Drive End - Endbell Bea	oring Eit Condition	(F) Fail
		aring Fit Condition	(F) Fall
61.	•	Opposite Drive Ford Bearing Con	
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
00	First Dall Air Coal Fits		
62.	End Bell Air Seal Fits	0 " D: 5 A: 0	
	Drive End Air Seal	Opposite Drive End Air Seal	
00			
63.	List Machine Work Needed Belov	V	
C 4	Both housing fits check bad.		Towns Holland
64.	Technician		Terrence Holland
	I - 4		
Dynan	nio Polonoo Ponort	l	
-	nic Balance Report		
65.	•		
	Rotor Weight	Balance Grade	
66.	Initial Balance Readings		
00.	Drive End	Opposite Drive End	
	Drive Eria	Opposite Drive End	
67.	Final Balance Readings		
07.	Drive End	Opposite Drive End	
	Drive Eria	Opposite Drive End	
60	Technician		
68.	Technician		
Rewin	d	ar Douad	
	d Core Test Results - Watts loss pe		
Rewin	d	er Pound Post Burnout	
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72. Post Rewind Winding Resistance 1-2 1-3 2-3 74. Post Rewind Surge Test 75. Post Rewind Hi-Pot 76. Technician Root Cause of Failure 77. Failure locations 78. Root cause of sailure 87. Root cause of sailure 87. Shaft Runoul Post Repair 99. Shaft Runoul Post Repair 100 Degrees
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90. End Bell Air Seal Fits Post Repair
Drive End Air Seal Opposite Drive End Air Seal
91. End Bell Repair Sign-off
Assembly

92.	QC Check All Parts for Clea	anliness Prior to Assembly		
93.	Photograph All Major Components prior to assembly			
94.	Final Insulation Resistance	Test		
95.	Assembled Shaft Endplay			
96.	Assembled Shaft Runout			
97.	Test Run Voltage			
	Volts	Volts	Volts	
98.	Test Run Amperage			
	Amps	Amps	Amps	
99.	Drive End Vibration Reading	gs - Inches Per Second		
	Horizontal	Vertical	Axial	
100.	Opposite Drive End Vibratio	n Readings - Inches Per Second		
	Horizontal	Vertical	Axial	
101.	Ambient Temperature - Fah	renheit		
102.	Drive End Bearing Temps -	Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes	
103.	Opposite Drive End Bearing	Temps - Fahrenheit		
	5 Minutes	10 Minutes	15 Minutes	
104.	Document Final Condition v	vith Pictures after paint		
105.	Final Pics and QC Review			

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