

AC Recondition As Found

KTG USA (0003468) 400 Mahannah Ave. Memphis, TN 38107



AC Recondition - Rev. 2

Location: # 1 Penthouse Serial Number: Q2-D16T0348NPI 7

Hi-Speed Job Number:	147802
Manufacturer:	Siemens
Product Number:	1LE23213CC112AA3
HP/kW:	40 (HP)
RPM:	1180 (RPM)
Frame:	364T
Voltage:	460
Current:	49 (Amps)
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.15
Enclosure:	TEFC
# of Leads:	3
J-box Included:	None
Coupling/Sheave:	None
Date Received:	05/31/2022
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Teardown Inspection
Rewind:	No
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: **2 - High**

gh 🛛 🔵 9 - Good



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FolderID: 147802 FormID: 13728812 Describe the Overall Condition of the Equipment as Received Grease ports missing on both sides No j box





Initial I	Mechanical/Electrical		0
• 4.	Does Shaft Turn Freely?	(Yes) Yes	
5.	Does Shaft Have Visible Damage?	(No) No	
6.	Assembled Shaft Runout	0 Inches	
7.	Assembled Shaft End Play	0 inches	
8.	Air Gap Variation <10%	n/a	
9.	Lead Condition	(P) Pass	
10.	Lead Length	18 Inches	
11.	Frame Condition	good	





20.	Drive End Bearing Type	(Ball) Ball Bearing	P24
21.	Drive End Lubrication Type	(Grease) Grease Lubricated	
22.	Drive End Bearing Insulation or Grounding Device?	none present	
23.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	none present	
25.	Opposite Drive End Bearing Number-	6314 S0 C3	P29
26.	Opposite Drive End Bearing Qty.	1	
27.	Opposite Drive End Bearing Type	(Ball) Ball Bearing	
28.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
29.	Opposite Drive End Bearing Insulation or Grounding Device?	none present	

30.	Opposite Drive End Wavy Washer/S	Snap-Ring Other Retention Device?	wavy washer	
31.	Opposite Drive End Bearing Condition	on	worn and over greased	
32.	Drive End Seal		slinger	
33.	Opposite Drive End Seal		slinger	
Rotor	Inspection			
34.	Rotor Type/Material		(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast	
35.	Growler Test		(Pass) Pass	
36.	Number of Rotor Bars		60	
37.	Rotor Condition		good	
38.	List the Parts needed for the Repair I 2 6314 bearings Two grease ports and pipes Came in without 1/2 eyebolt put in it	Below		
39.	Signature of Technician that Disasse	embled Motor	Brian Goines	
Mecha	nical Fits- Rotor			0
40.	Coupling Fit Closest to Bearing Hous	sing		
	0 Degrees 90	0 Degrees	120 Degrees	
	2.3742 2.	.3742	2.3742	
41.	Coupling Fit Closest to the end of the	e Shaft		
	0 Degrees 60	0 Degrees	120 Degrees	
	2.3745 2.	.3745	2.3745	
42.	Drive End Bearing Shaft Fit			P56
	0 Degrees 60	0 Degrees	120 Degrees	
	2.7565 2.	.7565	2.7565	
	70mm = 2.7559 Pressfit tolerance is f	from 2.7560 to 2.7565	(D) Dooo	
• 43.	Drive End Bearing Shaft Fit Condition	n	(P) Pass	

	44.	Opposite Drive	End Bearing Shaf	t Fit			P58
		0 Degrees		60 Degrees	120 Degrees		
		2.7565		2.7565	2.7565		
	Ψ	70mm = 2.7559	Pressfit tolerance	is from 2.7560 to 2.	.7565		
	1.						
	15	Opposite Drive	End Bearing Shaf	Eit Condition		(P) Pass	
	46	Shaft Air Seal F	Fits			(1)1 033	
	10.	Drive End Air	Seal	Opposite Drive	End Air Seal		
		Bive End / II	oca	opposite Drive			
М	echa	nical Fits- Bea	arina Housinas			la l	
	47.	Drive End - End	dbell Bearing Fit				P61
		0 Degrees	0	60 Degrees	120 Degrees		
		5.907		5.907	5.907		
	•	150mm = 5.9055	Tolerance is fron	n 5.9055 to 5.9065			
	C						
	48.	Drive End - End	dbell Bearing Fit Co	ondition	nd above no signs of wors, clean baras	(F) Fail	
	40	Opposite Drive	End Endball De-	s out of tolerance a	na snow no signs of were, clean bores		
	49.		Eua - Euapeli Res		120 Dogroop		
		0 Degrees		60 Degrees	120 Degrees		
	_	J.30 150mm - 5 0055	Tolorance is from	J.307	5.907		
	50.	Opposite Drive	End - Endbell Bea	ring Fit Condition		(F) Fail	

51.	Bearing Cap Condition		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
52.	End Bell Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
53.	List Machine Work Needed Below	v	
It is of my opinion no machine work is needed.			
54.	Technician		Roger Ventrini
	70	3/	