

#### **Job Information**

Job #: 94556 Date: July 27, 2018

Priority: — Authorized OT: No Authorized by:

**Customer Information** 

Name: Prospect Steel Motor#:

**Name Plate Information** 

Manufacturer: Leroy Somer Enclosure: Open Drop Proof Horsepower/kW: 22.2/4.6

(ODP)

Serial#: N736261D13001 Model#: 3NLS180L6-T Service Factor:

Frame: S180L Rated RPM: 1760/360 Rated Voltage: 460

Phase: 3 Rated Amps: 31.0/35.7 Cycles: 60

Special design: No

**AC Electrical Inspection** 

Megs after rewind: Good Surge after rewind: Good Hi-pot after rewind: Good

Core loss: Good Thermistors: None Thermostat: None

RTD: None ohms at degrees C

Motor Heater(s) Present: Yes Qty: Voltage: Wattage:



### **AC Electrical Inspection (Continued)**

**Core Test Data** 

Flux

Watts

Watts loss per lb

Condition of iron

Before burnout

After burnout

#### Conclusion

Service Tech name:

**RHR** 

Service Tech signature:

MW H M

Fax 901-873-5301



### **Polyphase AC Winding**

Polyphase Date:

Hertz:

60

1/2/3/11/12/13

Hp/kw: 22.2/4.6 RPM: 1760/360 Poles: 412 Manufacturer: Leroy Somer

Slots: 72 Type: Volts: 460

Coils: 36 Model: 3NLS180L6-T Amps: 31.0/35.7

12 Of 3 Serial#: N736261D13001 Phase: 3

Grouping

Of State of

Turns/Coil: 6 Lead length: 10 C Rise: Frame: S180L

Wire Size 18 19 Lead size: 10 Duty: C AMB:

Lead marking:

Wire Mult. 4 2 Num.Leads: Eff.: Ins.Cls.:

Pitch 1 to: 141618 DP TEFC XPRF TENV S.F.:

\_ \_ \_ \_ \_

Connection: 1Y COIL

Jumper:

Core length: 10.0

Core ID: 7.875

Back iron: 0.75

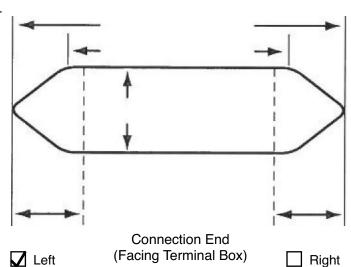
Slot depth: 1.125

Slot/tooth w: 0.162

Wire weight: 42

Vents: Size

Rotor bars:







	, ,,	DUSTRI	AL SER	VICE												900		
Single Phase		——— е			Spli	Split Phase												
3				l	Сар	Capacitor:		Start		[	Start & Run			Perm. Split				
Hp/kw:	22.2/4	.6		RPM:	1	760/36	60		Manu	facture	er:	Leroy	Some	r				
	F	Run		Start	t		Type:							V	olts:	460	)	
						I	Model:	3	NLS18	80L6-T				An	nps:	31.0	0/35.7	
No. Slots				Style:								Hertz:						
No. Poles				Form:								Frame:						
Coils/pol	Э																	
Dwg No.				C Rise:						Hrs.: Cap. Mfd.:								
Wire Size			Serial#: N736261D13001															
Wires in par.				Duty: —							☐ BB ☐ SB							
No. Circuits						Ope	en: -	_										
Coil Ext.				Sta.length:							Sta.b.i.:							
Stator Bor	е																	
			ļ															
Runnin	g 🔲																	
Slot No	). 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Customer: Prospect Steel

(Please return a copy to EASA Headquarters, 1331 Baur Blvd., St. Louis, MO 63132)

Starting



### **AC Stator Form Coil Data**

- 1. Core bore diameter
- 2. Total core length
- 3. Back iron
- 4. No. of vents
- 5. Width of vents
- 6. Finger plate width
- 7. Overall coil length
- 8. Connnection end extension
- 9. Opposite Conn. End Ext.
- 10. Straight length bottom side
- 11. Straight length top side
- 12. Small knuckle drop. CE

OCE

13. Large knuckle drop. CE

OCE

- 14. Conn. Support Ring from core
- 15. Opp. Conn. Supp. Ring from core
- 16. Connection support ring ID
- 17. Opp. Conn. Supp. Ring ID
- 18. Total slot depth
- 19. Slot depth under wedge
- 20. Slot width











CENTRAL ARKANSAS



# **AC Stator Form Coil Data (Continued)**

21. Lead location A B C D

23. Coil leads Long# LG

Short# LG

Out Down

24. Jumper —

25. Connection —

26. No. of circuits

27. No. of slots

28. Coil throw

29. Turns per coil

30. Total wires in parallel

31. Bare wire sizes ( ) x

( ) x

32. Strand insulation

☐ Film ☐ Glass ☐ Mica ☐ Bare ☐ Other

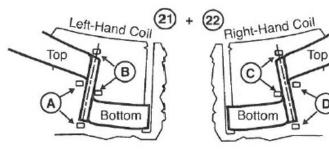
33. Coil weight Lbs.

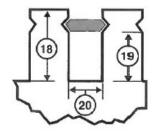
34. Groups of Coils

Groups of Coils

35. Iron skewed Right Left in











## **AC Stator Form Coil Data (Continued)**

Special Features	Yes	No					
Data change							
Coil support ring steel							
Terrace wound							
Corona Protection							
RTDs							
Ohms Qty							
Hermetic							
Slot paper used							
Insulation class B B H							
☐ VPI ☐ Dip & Bake ☐ Sealed							
Leads taped [	Leads s	leeved					
Comments							

