



MILLINGTON, TN

LITTLE ROCK, AR

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 (ODP)	Horsepower/kW:	22.2/4.6
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:

WEST TENNESSEE
7030 Ryburn Drive
Millington, TN 38053
Phone 901-873-5300
Fax 901-873-5301

CENTRAL ARKANSAS
6812 Lindsey Rd.
Little Rock, AR 72206
Phone 501-375-9178
Fax 501-375-4254



MILLINGTON, TN

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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:

WEST TENNESSEE

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Polyphase AC Winding

Polyphase Date:

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

Serial#: N736261D13001 Phase: 3

Lead marking: 1/2/3/11/12/13 Hertz: 60

12 Of 3
Grouping
Of

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

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

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

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

Connection: 1Y

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

COIL



☒ Left

Connection End
(Facing Terminal Box)

☐ Right

Rotor bars:



MILLINGTON, TN

LITTLE ROCK, AR

Single Phase{ Split Phase ☐
Capacitor: ☐ Start☐ Start & Run ☐ Perm. Split

Hp/kw: 22.2/4.6

RPM: 1760/360

Manufacturer: Leroy Somer

Run

Start

Type:

Volts: 460

Model: 3NLS180L6-T

Amps: 31.0/35.7

Style:

Hertz:

Form:

Frame:

Coils/pole

Dwg No.

C Rise:

Hrs.:

Cap. Mfd.:

Wire Size

Serial#: N736261D13001

Wires in par.

Duty: —

☐ BB☐ SB

No. Circuits

Open: —

Coil Ext.

Sta.length:

Sta.b.i.:

Stator Bore

Running ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Slot No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

Starting ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Customer: Prospect Steel

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

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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. Connection end extension
9. Opposite Conn. End Ext.
10. Straight length bottom side
11. Straight length top side
12. Small knuckle drop. CE
13. Large knuckle drop. CE
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

OCE

OCE



AC Stator Form Coil Data (Continued)

21. Lead location ☐ A ☐ B ☐ C ☐ D

22. Coil type ☐ Left hand ☐ Right hand

23. Coil leads Long# LG

Short# LG

☐ Out ☐ Down

24. Jumper —

25. Connection —

26. No. of circuits

27. No. of slots

28. Coil throw 1-

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
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Data change	<input type="checkbox"/>	<input type="checkbox"/>
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Coil support ring steel	<input type="checkbox"/>	<input type="checkbox"/>
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Terrace wound	<input type="checkbox"/>	<input type="checkbox"/>
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Corona Protection	<input type="checkbox"/>	<input type="checkbox"/>
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RTDs	<input type="checkbox"/>	<input type="checkbox"/>
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Ohms Qty		
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Hermetic	<input type="checkbox"/>	<input type="checkbox"/>
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Slot paper used	<input type="checkbox"/>	<input type="checkbox"/>
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Insulation class	<input type="checkbox"/> B	<input type="checkbox"/> F	<input type="checkbox"/> H
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<input type="checkbox"/> VPI	<input type="checkbox"/> Dip & Bake	<input type="checkbox"/> Sealed
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<input type="checkbox"/> Leads taped	<input type="checkbox"/> Leads sleeved
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Comments

