



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 139303

Date: March 11, 2019

Priority: 1A Rush/OT

Authorized OT: Yes

Authorized by:

## Customer Information

Name: Southern Steel

Motor#:

## Name Plate Information

Manufacturer: Unknown

Enclosure : Open Drop Proof (ODP)

Horsepower/kW: 11

Serial#: MF11X-106N166P85  
006E-IP55

Model#: NR 1449973

Service Factor:

Frame: Metric

Rated RPM: 3250

Rated Voltage: 440-480

Phase: 3

Rated Amps: 20

Cycles: 60

Special design: No

## AC Electrical Inspection

Megs after rewind: Bad

Surge after rewind: Good

Hi-pot after rewind: Good

Core loss: Good

Thermistors: In use

Thermostat: None

RTD: None

ohms at

degrees C

Motor Heater(s) Present: No

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



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## AC Electrical Inspection (Continued)

### Core Test Data

|                | Flux  | Watts | Watts loss per lb | Condition of iron |
|----------------|-------|-------|-------------------|-------------------|
| Before burnout |       |       |                   |                   |
| After burnout  | 84.53 | 6     | 1.43              |                   |

## Conclusion

Service Tech name: Kelly Felts

Service Tech signature:

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# Polyphase AC Winding

First Speed

Polyphase Date: March 11, 2019

Hp/kw: 11 RPM: 3250

Manufacturer: Unknown

Slots: 36 Poles: 2

Type:

Volts: 440-480

Coils: 18

Model: NR 1449973

Amps: 20

Serial#: MF11X-106N166P85006E-IP55 Phase: 3

Lead marking: Silicone 11,12,13 Hertz:

6 Of 3  
Grouping  
Of

Turns/Coil: 14

Lead length: 12 C Rise: Frame: Unknown

Wire Size 18

Lead size: 12 Duty: C AMB:

Wire Mult. 2

Num.Leads: 3 Eff.: Ins.Cls.:

Pitch 1 to: 16

☐ DP ☐ TEFC ☐ XPRF ☐ TENV S.F.:

Connection: 1 wye

Jumper: 14

Core length: 9.125

Core ID: 3.5

Back iron: 0.625

Slot depth: 1.00

Slot/tooth w: 0.187

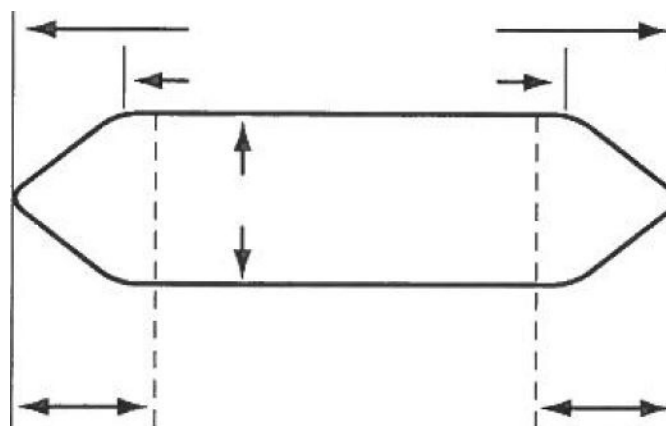
Wire weight: 23

Slot:

Tip: 12.6

Pitch: 35

COIL


☐ Left

Connection End  
(Facing Terminal Box)

☐ Right



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**Single Phase**

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

Hp/kw: 11

RPM: 3250

Manufacturer: Unknown

|               | Run | Start | Type:                     | Volts:  |
|---------------|-----|-------|---------------------------|---|
| No. Slots     |     |       | Model: NR 1449973         | 440-480   |
| No. Poles     |     |       | Style:                    | Amps: 20  |
| Coils/pole    |     |       | Form:                     | Hertz:  |
| Dwg No.       |     |       | C Rise:                   | Frame:  |
| Wire Size     |     |       | Hrs.:                     | Cap. Mfd.:  |
| Serial#:      |     |       | MF11X-106N166P85006E-IP55 |   |
| Wires in par. |     |       | Duty: —                   | <input type="checkbox"/> BB <input type="checkbox"/> 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: Southern 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 |
|------------------|-----|----|
|------------------|-----|----|

|             |                          |                          |
|-------------|--------------------------|--------------------------|
| Data change | <input type="checkbox"/> | <input type="checkbox"/> |
|-------------|--------------------------|--------------------------|

|                         |                          |                          |
|-------------------------|--------------------------|--------------------------|
| Coil support ring steel | <input type="checkbox"/> | <input type="checkbox"/> |
|-------------------------|--------------------------|--------------------------|

|               |                          |                          |
|---------------|--------------------------|--------------------------|
| Terrace wound | <input type="checkbox"/> | <input type="checkbox"/> |
|---------------|--------------------------|--------------------------|

|                   |                          |                          |
|-------------------|--------------------------|--------------------------|
| Corona Protection | <input type="checkbox"/> | <input type="checkbox"/> |
|-------------------|--------------------------|--------------------------|

|      |                          |                          |
|------|--------------------------|--------------------------|
| RTDs | <input type="checkbox"/> | <input type="checkbox"/> |
|------|--------------------------|--------------------------|

|          |  |  |
|----------|--|--|
| Ohms Qty |  |  |
|----------|--|--|

|          |                          |                          |
|----------|--------------------------|--------------------------|
| Hermetic | <input type="checkbox"/> | <input type="checkbox"/> |
|----------|--------------------------|--------------------------|

|                 |                          |                          |
|-----------------|--------------------------|--------------------------|
| Slot paper used | <input type="checkbox"/> | <input type="checkbox"/> |
|-----------------|--------------------------|--------------------------|

|                  |                            |                            |                            |
|------------------|----------------------------|----------------------------|----------------------------|
| Insulation class | <input type="checkbox"/> B | <input type="checkbox"/> F | <input type="checkbox"/> H |
|------------------|----------------------------|----------------------------|----------------------------|

|                              |                                     |                                 |
|------------------------------|-------------------------------------|---------------------------------|
| <input type="checkbox"/> VPI | <input type="checkbox"/> Dip & Bake | <input type="checkbox"/> Sealed |
|------------------------------|-------------------------------------|---------------------------------|

|                                      |  |
|--------------------------------------|--|
| <input type="checkbox"/> Leads taped | <input type="checkbox"/> Leads sleeved |
|--------------------------------------|--|

Comments

