

#### **Job Information**

Job #:	94469				Date:	July 13, 2018
Priority:	-	Authorized OT:	No	Authorized by:		
Sustamor	Information					

# **Customer Information**

Name: American Railcar Motor#:

## **Name Plate Information**

Manufacturer:	P&H Hoist	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	8.0/32.5
Serial#:	R50529011	Model#:		Service Factor:	
Frame:	160L	Rated RPM:	850/3450	Rated Voltage:	460
Phase:	3	Rated Amps:	20/42	Cycles:	60

Special design: No

# **AC Electrical Inspection**

Megs after	er rewind:	Good	Surge after	er rewind: Good	Hi-pot after rewind:	Good
Core loss:	Good		Thermistors:	None	Thermostat: None	
RTD:	None			ohms at	degrees C	
Motor Heat	er(s) Present:	Yes	Qty:	Voltage:	Wattage:	

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## MILLINGTON, TN LITTLE ROCK, AR

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

RHR

#### **Core Test Data**

	Flux	Watts	Watts loss per lb	Condition of iron
Before burnout				
After burnout				

### Conclusion

Service Tech name:

Service Tech signature:

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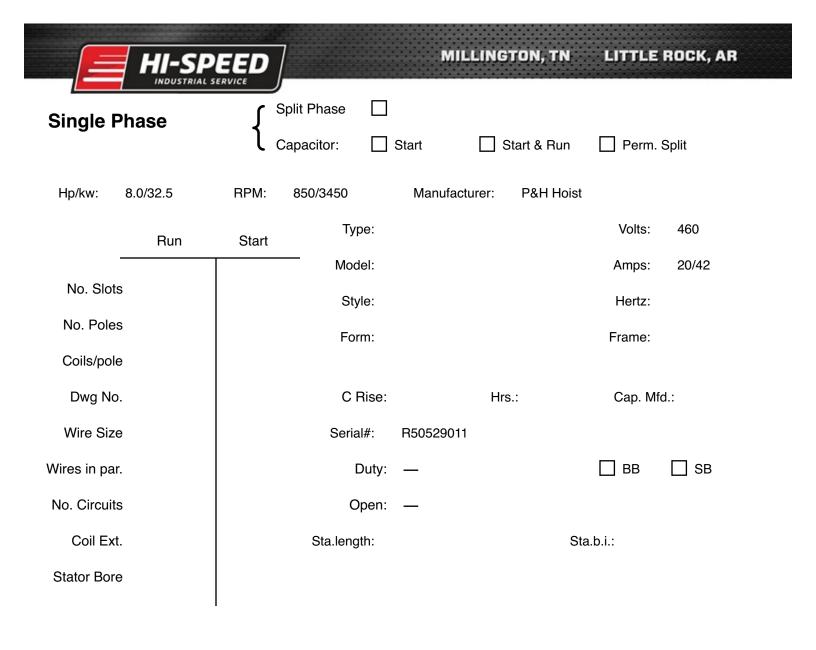


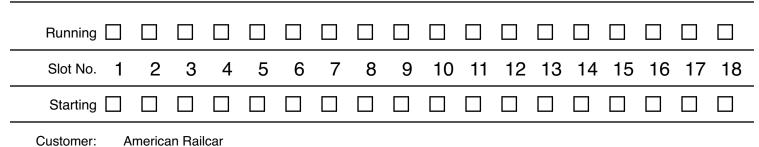
#### MILLINGTON, TN LITTLE ROCK, AR

# **Polyphase AC Winding**

Polyph	ase AC V	Winding				Polyphase Date	: July 13, 2018
Hp/kw:	8.0/32.5	RPM:	850/3450	Poles:		Manufacture	: P&H Hoist
Slots:		36	Туре:			Volts	: 460
Coils:		36	Model:			Amps	: 20/42
	C	Df	Serial#:	R5052901	1	Phase	: 3
Groupin		Df	Lead marking:			Hertz	:: 60
Turns/Coil:		4	Lead length:	12	C Rise:	Frame	:: 160L
Wire Size	16 17	7	Lead size:	1410	Duty:	C AME	:
Wire Mult.	2 2	2	Num.Leads:	6	Eff.:	Ins.Cls	:
Pitch 1 to:		14		TEFC [	XPRF	TENV S.F	:
Connection:		1Y	COIL				
Jumper:			-				►
Core length:		10.25					~
Core ID:		5.75	$\langle$	¦ T			$\geq$
Back iron:		1.0					
Slot depth:		0.75		1			
Slot/tooth w:		0.298	4	►i			*
Wire weight:			🔽 Left		Connection cing Termin		ght
Vents:	S	lize				_	
Rotor bars:						The	lectro•Mechanical Authority

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American Railcar

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

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# MILLINGTON, TN LITTLE ROCK, AR

### 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
- 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







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#### **MILLINGTON, TN** LITTLE ROCK, AR

AC Stator For	m Coil Data (Co	ontinued)			-
21. Lead location	🗌 А 🗌 В 🗌	] C 🗌 D			
22. Coil type	Left hand	] Right hand	16	(1) (1)	
23. Coil leads	Long# LG		12 18	2	
	Short# LG				5
	Out	Down	1		
24. Jumper	_		13		23 4-(15->
25. Connection	-				OPPOSITE
26. No. of circuits			END	LEADS	CONNECTION
27. No. of slots			Left-Ha	and Coil 21 + 2	Right-Hand Coil
28. Coil throw	1-		Top	B	Тор
29. Turns per coil			A	$\sim$	
30. Total wires in para	allel			Bottom	Bottom
31. Bare wire sizes	(	) x	514		
	(	) x		19	
32. Strand insulation	Mica Bare	Other			
33. Coil weight	Lt	DS.			
34. Gr	oups of	Coils			EASA
Gr	oups of	Coils			The Electro•Mechanical Authority
35. Iron skewed	Right 🗌 Left	in			
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HI-SPEED



## AC Stator Form Coil Data (Continued)



Comments





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