

# LR Field Services

Prepared for Bridgestone Americas Tube (10108-FTD)

2700 East Main St.  
Russellville AR 72802

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Hi-Speed Industrial Service  
7030 Ryburn Dr  
Millington, Tn 38053  
901-873-5300

## DC Motor Maintenance Inspection Form

FolderID: 103074  
FormID: 20879122

Bridgestone Americas Tube (10108-FTD)

2700 East Main St.  
Russellville, AR 72802

Priorities Found: ● 1 - High ● 1 - Good

### Nameplate Information

1. Job Number	103074
2. Customer	Firestone
3. Report Date	07/02/2024
4. Machine	Banbury
5. Manufacturer	GE






6. HP/kW	800 HP
7. RPM	900
8. Frame	984Y
9. Model #	5SR2115B13

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1.0

10. Serial #	YX8275827
<b>Inspection</b>	
11. Field Ohms	5.803
12. Field Megohms	0
13. Interpole and Brush Rack Megohms	0
<div></div> <i>Brush rack was showing to be grounded.</i>	
14. Armature Megohms	2
<div></div> <i>Rotor is showing to have 2 megaohms.</i>	
15. Internal Visual Appearance	
<i>Dusty and has a little carbon dust buildup.</i>	
<div>   </div>	
16. Remaining Brush Length	50 %
<div></div> <i>Brushes are between 50 and 75%. Brush holder is not allowing brushes to make contact once half worn on front ring.</i>	
17. Number of Brushes	4
18. Brush Holder Condition	(F) Fail
<div></div> <i>One hammer is worn not allowing the brush to wear past the top of the holder.</i>	
<div>  </div>	
19. Brush Spring Condition	(P) Pass
20. Commutator Condition	
<i>Rear ring has some grooving, front ring has some streaking but not very bad.</i>	

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## Overall Evaluation

### 21. Motor Evaluation

*One brush was down to the point that the hammer wouldn't let it go down any further. Rotor has 2 megaohms because of carbon buildup and is very humid down in the pit. Rings need turned and brush rack needs fixed when the motor is pulled from service for recondition.*



### 22. Technician Signature

**Trevor Hall**



Hi-Speed Industrial Service  
7030 Ryburn Dr  
Millington, Tn 38053  
901-873-5300

## DC Motor Maintenance Inspection Form

FolderID: 103074  
FormID: 20879793

Bridgestone Americas Tube (10108-FTD)

2700 East Main St.  
Russellville, AR 72802

Priorities Found: ● 2 - Good

### Nameplate Information

1. Job Number	103074
2. Customer	Firestone
3. Report Date	07/02/2024
4. Machine	Tuber 1
5. Manufacturer	Reliance
6. HP/kW	400 HP
7. RPM	150/2300
8. Frame	B587ATZ
9. Model #	ID number T58R003A
10. Serial #	

### Inspection

11. Field Ohms 37



12. Field Megohms 450

13. Interpole and Brush Rack Megohms 1833

14. Armature Megohms 2000

2000 at 1000 volts

15. Internal Visual Appearance

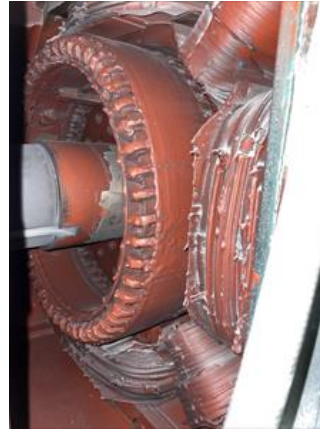
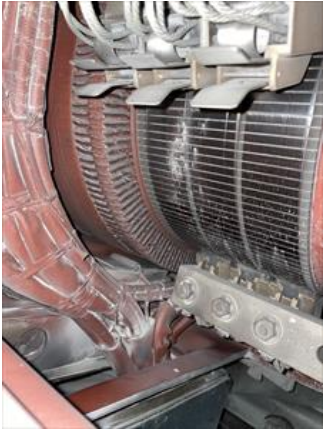
Very dusty

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2.0



16. Remaining Brush Length

98 %

Brushes are in new shape.



17. Number of Brushes

12

18. Brush Holder Condition

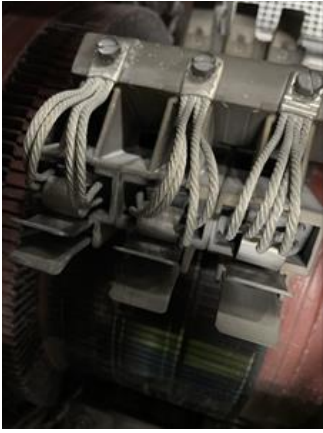
(P) Pass



19. Brush Spring Condition

(P) Pass





20. Commutator Condition

*Has a good carbon film. Commutator has some grooves in it.*

**Overall Evaluation**

21. Motor Evaluation

*Motor is dusty so I blew it out. Commutator could be turned next time motor is pulled from service for recondition.*

22. Technician Signature

**Trevor Hall**





Hi-Speed Industrial Service  
7030 Ryburn Dr  
Millington, Tn 38053  
901-873-5300

## DC Motor Maintenance Inspection Form

FolderID: 103074  
FormID: 20879796

Bridgestone Americas Tube (10108-FTD)

2700 East Main St.  
Russellville, AR 72802

Priorities Found: ● 2 - Good

### Nameplate Information

1. Job Number	103074
2. Customer	Firestone
3. Report Date	07/02/2024
4. Machine	Tuber 2
5. Manufacturer	Reliance



6. HP/kW	700 HP
7. RPM	1150
8. Frame	BB5810ATZ
9. Model #	ID number DCQ03958-T1-PQ
10. Serial #	

### Inspection

11. Field Ohms	26.271
12. Field Megohms	2623
13. Interpole and Brush Rack Megohms	500
14. Armature Megohms	650
15. Internal Visual Appearance	A little dusty.

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3.0



16. Remaining Brush Length

50 %

Need replaced.

17. Number of Brushes

20

18. Brush Holder Condition

(P) Pass



19. Brush Spring Condition

(P) Pass



20. Commutator Condition

Commutator is grooved. Has a good carbon film.



## Overall Evaluation

### 21. Motor Evaluation

*Motor needed brushes changed so I changed them. Commutator needs turned and undercut when motor is pulled for service. I smoothed out commutator as best as I could with two stones. Coupling needs to be moved back about a quarter inch so it isn't so close to gearbox coupling.*



### 22. Technician Signature

**Trevor Hall**

A handwritten signature in black ink, appearing to read "Trevor Hall".





Hi-Speed Industrial Service  
7030 Ryburn Dr  
Millington, Tn 38053  
901-873-5300

## DC Motor Maintenance Inspection Form

FolderID: 103074  
FormID: 20879798

Bridgestone Americas Tube (10108-FTD)

2700 East Main St.  
Russellville, AR 72802

Priorities Found: ● 2 - Good

### Nameplate Information

1. Job Number	103074
2. Customer	Firestone
3. Report Date	07/02/2024
4. Machine	Strainer
5. Manufacturer	Reliance
6. HP/kW	300 HP
7. RPM	1750
8. Frame	C4011ATZ
9. Model #	ID number 01KS5907176-YT
10. Serial #	

### Inspection

11. Field Ohms	34.834
12. Field Megohms	1047.61
13. Interpole and Brush Rack Megohms	1.73
14. Armature Megohms	3
15. Internal Visual Appearance	<i>Has minor dust in it</i>



16. Remaining Brush Length	50 %
■ <i>Brushes need changed</i>	
17. Number of Brushes	16
■ 16	
● 18. Brush Holder Condition	(P) Pass

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19. Brush Spring Condition

(P) Pass

20. Commutator Condition

*Has slight grooving*



### Overall Evaluation

21. Motor Evaluation

*Commutator has grooving in it and needs to be turned and undercut when pulled for recondition. Armature, interpoles and brush rack are grounded. Motor needs to be reconditioned.*

22. Technician Signature

Trevor Hall





Hi-Speed Industrial Service  
7030 Ryburn Dr  
Millington, Tn 38053  
901-873-5300

## Field Service Ticket

FolderID: 103074  
FormID: 20879869

**Bridgestone Americas Tube (10108-FTD)**

2700 East Main St.  
Russellville, AR 72802

Priorities Found:

### Job Information

- |                                 |                 |
|---------------------------------|-----------------|
| 1. Hi-Speed Job Number          | 103074          |
| 2. Asset Type                   | Multiple motors |
| 3. Make                         |                 |
| 4. Model                        |                 |
| 5. Serial Number                |                 |
| 6. Customer Asset ID/Asset Name |                 |

### Service Call Details

7. Service Objectives  
*Change out brushes, smooth commutators if needed, PDMA. Check electrically.*
8. Services Performed  
*Customer wants a quote on brushes for the number 2 tuber.*



9. Service Technician Recommendations  
*Move coupling back 6mm according to specs on coupling for the 700 hp. Have us come back at next shutdown to continue monitoring the motors conditions.*

### Approval Signatures

10. Service Technician Signature **Trevor Hall**

11. Customer Signature **Austin Taylor**

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