



# रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

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## ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	3032	DISPATCH DATE			<b>6.6.2014</b>	
2.	Railway	WR	Type	<b>LWLRRM</b>	Coach No.	<b>128565</b>	
3.	Booked to	<b>SSE/C&amp;W/BCT</b>					
4.	Tare Weight of Coach	<b>53.4 T</b>					
5.	Carrying Capacity	Seating	NIL	<b>Sleeping</b>	<b>NIL</b>	Luggage	<b>3.9 T</b>
6.	Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')						
6.1	Leading Dimensions:						
i)	Maximum length over Body	23700+10/-0 mm					
ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)					
iii)	Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)					
iv)	Buffer/CBC Height	Specified : 1105 +0 /-15 mm	1105	1100			
v)	Buffer/CBC (Make )	<b>ESCORTS</b>	<b>Fiba Device</b>	<b>NA</b>			
7.	Air Brake Testing:	Description			Specified	Observed	
7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>	Max Pressure in BC	3.00 ± 0.15 Kg/cm <sup>2</sup>	3.00	6 Sec	
		All Brake are applied		OK	OK		
7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK		
7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK		
8.	PAINTING DEATAILS:	TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	<b>PU PAINT</b>	<b>NEROLAC</b>	<b>82</b>			
8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>					
8.3	INSUALTION	<b>SATISFACTORY</b>					
9.	Traceability of Furnishing Items:				Make		
i.	BRAKE EQUIPMENT			<b>FAIVELEY</b>			
iii.	CDTS			<b>AMIT</b>			
iv.	SEATS/S&B			<b>AMIR CHAND</b>			
v.	BODY SIDE DOOR			<b>MOHAN RAIL</b>			
vi.	VESTIBULE SLIDING DOOR			<b>JBM</b>			
vii.	CREW-GEN & GUARD ROOM DOOR			<b>CONCEPT/JBM</b>			
viii.	WATER TANKS			<b>AMIT &amp; SHIVALIK</b>			
ix	FUEL TANK			<b>GAURAV</b>			
x	UIC VESTIBULE			<b>KRP</b>			
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Shell No.:- 3032

Date: 22-01-2014

RLY	WR	Type	LWLRRM	Coach No.	128565
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6.0 Wheel & Axle details:

Items	LPC- I (PP side )				LPC- II (NPP side)			
Bogie No.	146034				146035			
Frame No.	FIAT-2808				FIAT-2804			
Bolster No.	3556-P				3191-GT			
Axle No.	RWF-109888		RWF-96754		RWF-109740		R-3186	
Wheel Diameter	917.00	916.50	916.50	916.00	917.50	917.00	915.00	915.00
Wheel Disc No.	038-50857	180-51912	188-51908	028-50854	052-48744	267-51782	180-50796/ ZB13	261-51781/ ZB13
R.B. Nos.	03514	06785	03434	06834	03418	03722	03644	03586
R. B. Make	TIM		TIM		TIM		TIM	
RB Type	CARTRIDGE TAPER ROLLER BEARING							

6.1 Secondary suspension load deflection Values:

Description	Bogie PP side				Bogie NPP side			
	Secondary 1		Secondary 2		Secondary 1		Secondary 2	
	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
Make & nos.	DN-11-Z-182	DN-11-H-274	DN-11-Z-170	DN-11-H-289	DN-13-X-1437	G-12-9-365	DN-13-X-1393	G-12-9-280
Compressed ht. at tested load	504	460	511	468	507	467	507	469
Align deviation	7	4	7	7	12	8	13	12

6.2 Component traceability:

SNO	ITEM	PP Side Bogie	NPP side Bogie	Make
1	Primary Outer Spring batch no.	G-4-12	L&S-5-12	GF,L&S
2	Primary inner Spring batch no	L&S-2-13	L&S-2-13	L&S
3	Primary Damper			GEREP
4	Secondary damper			GEREP
5	Lateral Damper			GEREP
6	Brake cylinder & Caliper	N-13011/2000,N-13004/2000, N-13002/2000,N-13006/2000	N-13015/2000,N-13002/2000, N-13007/2000,N-13004/2000	FTI
7	Brake Disc			FTI
8	Ball joint Control arm			SGA
9	Lateral Bump stop			GMT
10	Traction center make			SARITA
11	Traction lever make			SARITA
12	Ball joint traction lever			GMT
13	Ball joint Traction centre			SGA
14	Secondary rubber pad			TECSPAK
15	Rubber spring			GMT
16	Anti roll bar make			SARITA
17	Roll link make			SARITA
18	Fork make			EMSON



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4005	DISPATCH DATE			21.6.2014
2.	Railway	WR	Type	LWLRRM	Coach No.	128534
3.	Booked to	SSE/C&W/BCT				
4.	Tare Weight of Coach	53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage 3.9 T
6.	Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')					
6.1	Leading Dimensions:					
i)	Maximum length over Body	23700+10/-0 mm				
ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)				
iii)	Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)				
iv)	Buffer/CBC Height	Specified : 1105 +0 /-15 mm		1105	1105	
v)	Buffer/CBC (Make )	FAIVELEY		Fiba Device	NA	
7.	Air Brake Testing:		Description	Specified	Observed	
7.1	Full Brake Application		Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>	6 –10 sec	6 Sec	
			Max Pressure in BC	3.00 ± 0.15 Kg/cm <sup>2</sup>	3.00	
			All Brake are applied	OK	OK	
7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK	
7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT		PU PAINT	VIBGYOR	88	
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
i.	BRAKE EQUIPMENT			FAIVELEY		
iii.	CDTS			AMIT		
iv.	SEATS/S&B			GANDHI		
v.	BODY SIDE DOOR			JBM		
vi.	VESTIBULE SLIDING DOOR			JBM		
vii.	CREW-GEN & GUARD ROOM DOOR			CONCEPT/JBM		
viii.	WATER TANKS			AMIT & SHIVALIK		
ix	FUEL TANK			GAURAV		
x	UIC VESTIBULE			KRP		
10.	Modification / Trail (if any):					NIL
10.1	Deviations if any:					NIL
10.2						



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Rail Coach Factory , Kapurthala

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Shell No.:-4005

Date: 09-01-2014

RLY	WR	Type	LWLRRM	Coach No.	128534
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6.0 Wheel & Axle details:

Items	LPC- I (PP side )				LPC- II (NPP side)			
Bogie No.	146018				146017			
Frame No.	FIAT-2769				FIAT-2788			
Bolster No.	3577-P				3568-P			
Axle No.	RWF-109675		T-4572		RWF-108912		RWF-109677	
Wheel Diameter	917.50	918.00	915.30	916.00	918.00	918.00	918.00	918.00
Wheel Disc No.	178-51781	257-50842	097-51918	041-50796	345-50843	337-51782	257-50842	299-50843
R.B. Nos.	06766	06522	06729	06755	06654	06617	05544	06751
R. B. Make	TIM		TIM		TIM		TIM	
RB Type	CARTRIDGE TAPER ROLLER BEARING							

6.1 Secondary suspension load deflection Values:

Description	Bogie PP side				Bogie NPP side			
	Secondary 1		Secondary 2		Secondary 1		Secondary 2	
	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
Make & nos.	DN-11-12-184	DN-12-2-238	DN-11-2-210	DN-12-2-234	DN-13-4-1684	DN-12-1-135	DN-13-4-1541	DN-12-11-152
Compressed ht. at tested load	504	460	516	400	515	461	507	464
Align deviation	15	5	20	4	7	15	14	13

6.2 Component traceability:

SNO	ITEM	PP Side Bogie	NPP side Bogie	Make
1	Primary Outer Spring batch no.	L&S-5-13	L&S-5-13	L&S
2	Primary inner Spring batch no	L&S-2-13	L&S-2-13	L&S
3	Primary Damper			GEREP
4	Secondary damper			GEREP
5	Lateral Damper			SACHS
6	Brake cylinder & Caliper	N-13006/2000,N-13002/2000, N-13004/2000,N-13001/2000	N-13010/2000,N-13007/2000, N-13003/2000,N-13001/2000	FTI
7	Brake Disc			FTI
8	Ball joint Control arm			SGA
9	Lateral Bump stop			GMT
10	Traction center make			SARITA
11	Traction lever make			SARITA
12	Ball joint traction lever			GMT
13	Ball joint Traction centre			GMT
14	Secondary rubber pad			TECSPAK
15	Rubber spring			GMT
16	Anti roll bar make			SARITA
17	Roll link make			SARITA
18	Fork make			EMSON

LPC-4005