

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4084	DISPATCH DATE				04.08.2015
2.	Railway	NR	Type	LS3	Coach No.	153522	
3.	Booked to	SSE/C&W/NDLS					
4.	Tare Weight of Coach	40.665 T					
5.	Carrying Capacity	Seating	100	Sleeping	NIL	Luggage	NIL
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	APC	85/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	I	BRAKE EQUIPMENT			FAIVELEY		
	ii	SEAT & BERTH			MANOJ		
	iii	BODY SIDE DOORS			JBM		
	iv	WATER TANKS			RUBICONE, RAIL FAB		
	v	FLOOR BOARD			TAYAL		
	VI	PVC			RESPONSIVE		
	Vii	LP SHEET			NK		
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			4084		NR		LS3		153522		26-06-2015	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	156385						156393			
	ii.	<b>Frame No.</b>	FIAT-4025						FIAT-3998			
	iii.	<b>Bolster No.</b>	4783-P						4606-P			
	iv.	<b>Axle No.</b>	C-4215			126613/480			C-4514		C-4830	
	v.	<b>Wheel Dia.</b>	915.00	915.00	915.50	915.00	915.00	915.00	915.50	916.00		
	vi.	<b>Wheel Disc No.</b>	002-63309	289-63301	201-63302	357-10579	351-63301	009-63309	162-63301	278-63305		
	vii.	<b>R.B. Nos.</b>	03873	04503	03737	03545	03492	03807	03733	04372		
	viii.	<b>R.B. Make</b>	TIMKEN			TIMKEN			TIMKEN		TIMKEN	
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>				
		<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>			
i.	<b>Make &amp; nos.</b>	DN-13-11-528	DN-13-11-255	DN-14-01-684	DN-14-01-497	DN-14-03-689	DN-14-02-332	DN-14-03-651	DN-14-02-365			
ii.	<b>Ht. at test load</b>	516	469	512	468	513	469	515	469			
iii.	<b>Align .deviation</b>	7	12	8	14	10	11	11	16			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			G-14-03			G-14-03			GF	
	ii.	Primary inner Spring			G-14-12			G-14-12			GF	
	iii.	Primary Damper			2542,1849,1878,1895			1900,2401,1956,2403			GEREP	
	iv.	Secondary damper			1180,1231			906,1173			GEREP	
	v.	Lateral Damper			2087			2778			KONI	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			E15002/600,E15009/600, L15019/600,L15003/600			E15026/600,E15001/600, E15001/600,E15004/600			FTI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	xiv.	Traction centre elastic									MGN	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									SARITA	
11.4	i.	<b>Modification / Trial (if any):</b>										NIL
	ii.	<b>Deviations (if any):</b>										NIL

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1.	SHELL No.	4085	DISPATCH DATE				03.08.2015
2.	Railway	NR	Type	LS3	Coach No.	153519	
3.	Booked to	SSE/C&W/NDLS					
4.	Tare Weight of Coach	40.665 T					
5.	Carrying Capacity	Seating	100	Sleeping	NIL	Luggage	NIL
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	APEX	87/89		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
I	BRAKE EQUIPMENT			FAIVELEY			
ii	SEAT & BERTH			MANOJ			
lii	BODY SIDE DOORS			JBM, SUKATA			
lv	WATER TANKS			RAIL FAB			
v	FLOOR BOARD			TAYAL			
VI	PVC			RESPONSIVE			
Vii	LP SHEET			NK			
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			4085		NR		LS3		153519/C		24-06-2015	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	156403					156416				
	ii.	<b>Frame No.</b>	FIAT-4054					FIAT-2970				
	iii.	<b>Bolster No.</b>	4759-GT					4786-P				
	iv.	<b>Axle No.</b>	R-3172		C-4780			127887/987		128865/990		
	v.	<b>Wheel Dia.</b>	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	vi.	<b>Wheel Disc No.</b>	228-51908	273-11607	131-63307	301-10579	241-63301	174-63307	028-63607	286-63307		
	vii.	<b>R.B. Nos.</b>	04024	04025	04513	03663	03794	03527	03721	04023		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN			TIMKEN		TIMKEN		
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>			
			<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>
i.	<b>Make &amp; nos.</b>	DN-14-01-598	DN-14-01-259	DN-14-01-454	DN-14-03-454	DN-14-02-554	DN-14-01-198	DN-14-02-547	DN-14-02-428			
ii.	<b>Ht. at test load</b>	510	472	510	470	513	472	512	471			
iii.	<b>Align .deviation</b>	9	15	10	15	8	11	8	12			
11.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			G-14-3			G-14-3			GF	
	ii.	Primary inner Spring			G-14-11			G-14-11			GF	
	iii.	Primary Damper			1623,2548,1605,1981			2468,429,1685,1664			GEREP	
	iv.	Secondary damper			912,1233			1218,1241			GEREP	
	v.	Lateral Damper			2850			49			KONI,GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			E15084/600,E15082/600, E15078/600,E15094/600			D15041/600,D15018/600, D15035/600,E15006/600			FTI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT,MGN	
	xiv.	Traction centre elastic									GMT,MGN	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									SARITA,EMS ON	
11.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

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