



ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5008	DISPATCH DATE				14.07.2015
2.	Railway	SWR	Type	LWSCN1	Coach No.	15263	
3.	Booked to	SSE/C&W/SBC					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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 ²	6 –10 sec	6 Sec		
			Max Pressure in BC	3.00 ± 0.15 Kg/cm ²	3.00		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	87/87		
	8.2	APPLICATION OF PCN-123		SATISFACTORY			
	8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:			Make			
	I	BRAKE EQUIPMENT		FAIVELEY			
	ii	SEAT & BERTH		SAVITRI			
	lii	BODY SIDE DOORS		JBM			
	lv	WATER TANKS		SHIVALIK			
	v	FLOOR BOARD		TAYAL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		ELASTOMER			
	viii	VESTIBULE SLIDING DOOR		KALSI			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date				
		5008	SWR	LWSCN	15263	12-03-2015				
12.1	Wheel & Axle Details:	PP Side				NPP Side				
	i. Bogie No.	156193				156192				
	ii. Frame No.	FIAT-3848				FIAT-3818				
	iii. Bolster No.	4588-PT				4510-GT				
	iv. Axle No.	Z-3056		C-4656		A-3121		B-9941		
	v. Wheel Dia.	916.00	916.00	917.00	917.00	915.00	915.00	915.50	916.00	
	vi. Wheel Disc No.	050-11603	041-11603	33-10579	028-10582	069-10579	319-10579	056-61077	067-63309	
	vii. R.B. Nos.	27012	24980	25653	26192	27010	24932	24278	24084	
	viii. R.B. Make	SKF		SKF		SKF		SKF		
	ix. RB Type	UIC CARTRIDGE TAPER ROLLER BEARING								
12.2	<u>Secondary suspension load deflection Values:</u>									
	Description	Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	GBD-14-07-5	G13-12-356	GBD-14-02-54	G13-12-32	GBD-07-14-71	G12-13-241	GBD-07-14-18	G12-13-241	
ii.	Ht. at test load	513	471	512	470	516	472	516	471	
iii.	Align .deviation	6	17	8	19	6	15	6	12	
12.3	<u>Items traceability:</u>									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	FSK-14-2		FSK-14-2		FSK			
	ii.	Primary inner Spring	G-14-3A		G-14-3A		GF			
	iii.	Primary Damper	24088,23469,24208,23359		23447,23650,24151,23621		KONI			
	iv.	Secondary damper	328,442		242,244		GEREP			
	v.	Lateral Damper	288		817		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper					NOT FITTED			
	viii.	Brake Disc					FTI			
	ix.	Ball joint Control arm					WINLANE			
	x.	Lateral Bump stop					GMT			
	xi.	Traction center make					SARITA			
	xii.	Traction lever make					SARITA			
	xiii.	Ball joint traction lever					GMT			
	xiv.	Traction centre elastic					SGA			
	xv.	Secondary rubber pad					TESPAK			
	xvi.	Rubber spring					GMT			
	xvii.	Anti roll bar make					EMSON			
	xviii.	Ball joint roll link					SRITA,GMT			
	xix.	Fork make					EMSON			
12.4	i.	Modification / Trial (if any):	NIL							
	ii.	Deviations (if any):	NIL							



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1.	SHELL No.	5009	DISPATCH DATE				14.07.2015
2.	Railway	SWR	Type	LWSCN1	Coach No.	15258	
3.	Booked to		SSE/C&W/SBC				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1100		
	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 ²	6 –10 sec	6 Sec		
			Max Pressure in BC	3.00 ± 0.15 Kg/cm ²	3.00		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIBGYOR	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	SAVITRI				
	iii	BODY SIDE DOORS	JBM				
	iv	WATER TANKS	SHIVALIK, E C BLADES				
	v	FLOOR BOARD	TAYAL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	FRIKMART				
	viii	VESTIBULE SLIDING DOOR	KALSI				
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5009		SWR		LWSCN		15258		20-05-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156371						156372			
	ii.	Frame No.	ECBT-944						FIAT-4039			
	iii.	Bolster No.	4726-ECBT						4781-P			
	iv.	Axle No.	125877/477		125811/477		129666/986		116178/377			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	335-63307	025-63301	136-10568	138-10589	327-10579	327-10533	050-10583	276-10533		
	vii.	R.B. Nos.	03998	03610	04530	03690	03965	03628	03837	03578		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	G-14-11-046	G-14-11-185	G-14-11-048	G-14-11-067	G-14-11-049	G-14-11-062	G-14-11-070	G-14-11-079			
ii.	Ht. at test load	514	471	514	471	513	472	513	467			
iii.	Align .deviation	4	8	4	14	3	12	4	13			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-14-3			G-14-3			GF	
	ii.	Primary inner Spring			G-14-3			G-14-3			GF	
	iii.	Primary Damper			24945,24678,24669,24700			24518,25031,24755,25007			KONI	
	iv.	Secondary damper			1087,31			297,308			GEREP	
	v.	Lateral Damper			2997			3000			KONI	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			A15093/600,A15103/600, A15099/600,A15098/600			N14056/600,A15110/600, A15075/600,A15101/600			FTI	
	viii.	Brake Disc									FTI	
	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	
	xiv.	Traction centre elastic									GMT	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON	
12.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

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Form No. : QMF 9454; Version: 1

1.	SHELL No.	4057	DISPATCH DATE				14.07.2015
2.	Railway	SWR	Type	LWSCN1	Coach No.	15262	
3.	Booked to	SSE/C&W/SBC					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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 ²		6 -10 sec	6 Sec	
			Max Pressure in BC		3.00 ± 0.15 Kg/cm ²	3.00	
			All Brake are applied		OK	OK	
7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm ² /min		No brake application	OK	
7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT		PU PAINT		VIBGYOR	85/89	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
I	BRAKE EQUIPMENT					FAIVELEY	
li	SEAT & BERTH					SAVITRI	
lii	BODY SIDE DOORS					JBM	
lv	WATER TANKS					SHIVALIK	
v	FLOOR BOARD					TAYAL	
vi	PVC FLOORING					RESPONSIVE	
vii	UIC VESTIBULE					ELASTOMER	
viii	VESTIBULE SLIDING DOOR					KALSI	
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4057		SWR		LWSCN		15262		16-05-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156366						156365			
	ii.	Frame No.	SCI/FM-162						ECBT-952			
	iii.	Bolster No.	4372-VT						4768-P			
	iv.	Axle No.	C-4592		106043/631		127816/987		C-4045			
	v.	Wheel Dia.	915.00	915.00	915.00	915.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	139-10583	242-10570	089-10582	059-63307	104-10579	019-10533	122-63309	025-63309		
	vii.	R.B. Nos.	03551	03710	03997	04017	03962	03858	04053	04154		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	Secondary suspension load deflection Values:											
	Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	Make & nos.		G-14-11-110	G-14-11-119	G-14-11-102	G-14-11-131	G-14-11-031	G-14-11-121	G-14-11-034	G-14-11-147		
ii.	Ht. at test load		514	470	515	472	515	471	514	471		
iii.	Align .deviation		4	9	5	11	2	10	4	4		
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-14-3			G-14-3			GF	
	ii.	Primary inner Spring			G-14-3			G-14-3			GF	
	iii.	Primary Damper			24604,24798,24384,25023			24954,24944,24931,22880			GEREP	
	iv.	Secondary damper			844,282			270,527			GEREP	
	v.	Lateral Damper			3046			2775			KONI	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			C15083/600,C15009/600, C15069/600,C15011/600			A15049/600,N14008/600, N14033/600,A15085/600			FTI	
	viii.	Brake Disc									FTI,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	
	xiv.	Traction centre elastic									GMT	
	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	
12.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

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