



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4049	DISPATCH DATE				14.07.2015
2.	Railway	NR	Type	LWSCN1	Coach No.	153256	
3.	Booked to	SSE/C&W/JAT					
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		1098	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		GS	87/87	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:				Make		
I	BRAKE EQUIPMENT				KBI		
ii	SEAT & BERTH				RCF		
iii	BODY SIDE DOORS				SUKATA		
iv	WATER TANKS				SHIVALIK, AMIT		
v	FLOOR BOARD				TAYAL		
vi	PVC FLOORING				RESPONSIVE		
vii	UIC VESTIBULE				KRP		
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	
			4049		NR		LWSCN		153256/C		27-03-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156245						156247			
	ii.	Frame No.	FIAT-3799						FIAT-3722			
	iii.	Bolster No.	4485-GT						4639-P			
	iv.	Axle No.	B-9993			C-4140			C-4343		B-9622	
	v.	Wheel Dia.	916.00	916.00	915.00	915.00	915.00	915.00	915.00	915.00	915.00	
	vi.	Wheel Disc No.	040-10579	199-63302	121-11603	117-63307	177-11603	158-11603	078-61077	108-10533		
	vii.	R.B. Nos.	36217	32538	36358	30323	36214	30325	36342	32556		
	viii.	R.B. Make	SKF			SKF			SKF		SKF	
	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.	DN-14-01-596	G-13-12-361	DN-14-01-457	G-13-12-163	DN-14-01-191	G-13-12-249	DN-14-01-494	G-13-12-120			
ii.	Ht. at test load	511	472	511	471	514	472	512	471			
iii.	Align .deviation	10	17	9	16	10	16	12	19			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			RSK-11-11			RSK-11-11			RSK	
	ii.	Primary inner Spring			RSK-11-11			RSK-11-11			RSK	
	iii.	Primary Damper			456,511,1449,1451			377,1456,471,1463			GEREP	
	iv.	Secondary damper			1182,1142			1117,1140			GEREP	
	v.	Lateral Damper			170			06			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper									KBI	
	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									SGA	
	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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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4053	DISPATCH DATE				14.07.2015
2.	Railway	NR	Type	LWSCN1	Coach No.	153259	
3.	Booked to		SSE/C&W/JAT				
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		GS	86/87	
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	
iii	BODY SIDE DOORS					JBM	
iv	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	
			4053		NR		LWSCN		153259/C		08-05-2015	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156285						156291			
	ii.	Frame No.	FIAT-3872						FIAT-3911			
	iii.	Bolster No.	4586-P						4695-VT			
	iv.	Axle No.	C-3990			C-4013			B-9910		C-3937	
	v.	Wheel Dia.	915.50	915.00	915.00	915.00	915.50	915.00	915.00	915.00		
	vi.	Wheel Disc No.	335-63305	357-63309	288-63309	271-63301	107-10559	162-61077	169-10579	040-10583		
	vii.	R.B. Nos.	04196	03677	04007	04591	03060	04531	04275	04127		
	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.	DN-14-01-173	G-11-4-038	DN-14-01-609	G-11-4-007	DN-14-01-356	DN-14-01-240	DN-14-01-336	DN-14-01-222			
ii.	Ht. at test load	513	472	514	472	512	471	512	469			
iii.	Align .deviation	11	8	11	9	15	12	17	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			120,186,1737,1704			955,2230,1493,1496			GEREP	
	iv.	Secondary damper			1134,550			595,1058			GEREP	
	v.	Lateral Damper			2830			2777			KONI	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			A15025/600,D15027/600 D15030/600,D15023/600			A15-111/600,B15-005/600 A15-108/600,A15-099/600			FTI	
	viii.	Brake Disc									KBI,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									SARITA	
12.4	i.	Modification / Trial (if any):										NIL
	ii.	Deviations (if any):										NIL

LWSCN 4053