



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5071	DISPATCH DATE				18.01.2016
2.	Railway	WR	Type	LWSCN1	Coach No.	16203	
3.	Booked to	SSE/C&W/BCT/M					
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	1104	1104		
	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	85/87		
	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		SUKATA			
	iv	WATER TANKS		KUTEER, MANOJ & SHIVALIK			
	v	FLOOR BOARD		TAYAL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		ESCORTS			
	viii	VESTIBULE SLIDING DOOR		HP			
	IX	CDTS/BIO TOILET		RAIL TECH			
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5071		WR		LSCN		16203/C		28-12-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	157003						157004			
	ii.	Frame No.	FIAT-4508						FIAT-4513			
	iii.	Bolster No.	5343-VT						4694-VT			
	iv.	Axle No.	129141/992		127941/988		128906/990		129056/986			
	v.	Wheel Dia.	915.50	916.00	916.00	916.00	915.50	915.00	916.50	916.50		
	vi.	Wheel Disc No.	06222-00201	7172-00024	7273-00060	7273-00115	6192-00190	6192-00221	7282-00130	7216-00141		
	vii.	R.B. Nos.	01434	01180	01863	01867	02502	02536	01349	01304		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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-14-2-507	DN-14-2-341	DN-14-2-262	DN-14-2-243	DN-14-2-240	DN-14-2-348	DN-14-2-58	DN-14-2-388			
ii.	Ht. at test load	511	470	513	468	515	468	513	469			
iii.	Align .deviation	9	8	12	8	10	9	12	10			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-14-11			G-14-11			GF	
	ii.	Primary inner Spring			G-14-12			G-14-12			GF	
	iii.	Primary Damper			600,553,584,442			460,548,577,598			GEREP	
	iv.	Secondary damper			121,73			10,07			GEREP	
	v.	Lateral Damper			092			466			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			L15062/600,L15060/600 L15051/600,L15061/600			L15020/600,L15059/600 L15024/600,L15050/600			FTI	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									EMSON	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT	
	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									EMSON	
11.4	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.	5074	DISPATCH DATE				16.01.2016
2.	Railway	WR	Type	LWSCN1	Coach No.	16204	
3.	Booked to		SSE/C&W/BCT/M				
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	1100	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	87/88		
	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				SUKATA	
	lv	WATER TANKS				KUTEER, MANOJ & SHIVALIK	
	v	FLOOR BOARD				TAYAL	
	vi	PVC FLOORING				RESPONSIVE	
	vii	UIC VESTIBULE				ESCORTS	
	viii	VESTIBULE SLIDING DOOR				KALSI	
	IX	CDTS/BIO TOILET				RAIL TECH	
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5074		WR		LSCN		16204/C		29-12-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	157010						157011			
	ii.	Frame No.	FIAT-4497						FIAT-4494			
	iii.	Bolster No.	5388-P						5395-VT			
	iv.	Axle No.	129255/982		126140/471		129150/992		128463/983			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	915.00	915.00		
	vi.	Wheel Disc No.	6227-00105	6227-00089	6221-00074	7282-00058	7290-00096	7290-00073	6221-00170	7282-00061		
	vii.	R.B. Nos.	07343	04171	03467	02085	06127	02106	06380	03392		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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-14-2-472	DN-14-2-308	DN-14-2-481	DN-14-2-373	DN-14-12-1014	DN-14-1-361	DN-14-1-123	DN-14-1-294			
ii.	Ht. at test load	513	469	514	472	514	469	513	472			
iii.	Align .deviation	8	7	8	8	8	12	9	12			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-14-11			G-14-11			GF	
	ii.	Primary inner Spring			G-14-12			G-14-12			GF	
	iii.	Primary Damper			1095,1135,1101,1130			1121,178,1101,1108			GEREP	
	iv.	Secondary damper			84,44			112,161			GEREP	
	v.	Lateral Damper			268			163			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			L15142/600,L15133/600 L15145/600,L15145/600			L15112/600,L15090/600 L15098/600,L15058/600			FTI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									MGN	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT,SGA	
	xiv.	Traction centre elastic									MGN,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									EMSON	
11.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

LSCN-5074