



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4043	DISPATCH DATE			07.08.2015	
2.	Railway	WR	Type	LWLRRM	Coach No.	148555	
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 )	ESCORTS	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	87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:				Make		
	i.	BRAKE EQUIPMENT			KBI		
	iii.	CDTS			AIR FLOW		
	iv.	SEATS/S&B			AMIR CHAND		
	v.	BODY SIDE DOOR			JBM		
	vi.	VESTIBULE SLIDING DOOR			KALSI		
	vii.	CREW-GEN & GUARD ROOM DOOR			CONCEPT/JBM		
	viii.	WATER TANKS			E C BLADES, KUTEER		
	ix	FUEL TANK			SHIVALIK		
	x	UIC VESTIBULE			ELASTOMER		
	XI	FLOOR BOARD			TAYAL		
	XII	PVC			RESPONSIVE		
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			4043	WR	LWRRM	148555	18-04-2015			
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard )				LPC-II NPP Side (Non guard )			
11.2	i.	Bogie No.	156314				156311			
	ii.	Frame No.	ECBT-933				ECBT-963			
	iii.	Bolster No.	4167-GT				4628-P			
	iv.	Axle No.	128668/989		126299/474		C-4434		125818/477	
	v.	Wheel Dia.	917.00	917.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	028-10579	227-10570	175-10579	197-10533	093-10559	254-10579	328-63301	064-10570
	vii.	R.B. Nos.	04696	04496	03862	04188	04491	03547	04658	04337
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.3	<u>Secondary suspension load deflection Values:</u>									
		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
11.4	Make & nos.	G-10-12-207	HZ-13-	G-10-12-198	HZ-13-	FSK-03-15-021	G-9-12-157	FSK-03-15-02	G-9-12-153	
	Ht. attest load	510	466.8	511	468.3	513	470	513	471	
11.	Align .deviation	6	17.1	5	12.1	6	12	5	10	
<u>Items traceability:</u>										
11.1	Sno.	Item		PP Side Bogie		NPP side Bogie		Make		
11.2	i.	Primary Outer Spring		YR-13-11		YR-13-11		YR		
	ii.	Primary inner Spring		GBD		GBD		GBD		
	iii.	Primary Damper		1591,2213,1353,1558		1529,1563,1011,1303		GEREP		
	iv.	Secondary damper		605,628		883,818		GEREP		
	v.	Lateral Damper		2786		NIL		KONI		
	vi.	Yaw Damper						NIL		
	vii.	Brake cylinder & Caliper		121143/261,61190/260, 12145/261,J1191/260		12146/261,J1279/261, 12144/261,61280/261		KBI		
	viii.	Brake Disc						FTI		
	ix.	Ball joint Control arm						MGN		
11.3	x.	Lateral Bump stop						GMT		
	xi.	Traction center make						SARITA		
	xii.	Traction lever make						SARITA		
11.4	xiii.	Ball joint traction lever						GMT		
	xiv.	Traction centre elastic						GMT		
11.	xv.	Secondary rubber pad						TESPAK		
	xvi.	Rubber spring						GMT		
11.1	xvii.	Anti roll bar make						EMSON		
11.2	xviii.	Ball joint roll link						SARITA		
	xix.	Fork make						EMSON		
	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				