



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5021	DISPATCH DATE				26.11.2015
2.	Railway	NR	Type	LWACCW	Coach No.	153083	
3.	Booked to		SSE/C&W/NDLS				
4.	Tare Weight of Coach		52				
5.	Carrying Capacity	Seating	52	Sleeping	52	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		1102	1104	
v)	Buffer/CBC (Make )		ESCORTS		Fiba Device	NIL	
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.	CDTS/ BIO TOILET				ORIENTAL		
iii.	SEATS/ BERTHS				SAVITRI		
iv.	BODY SIDE DOOR				JBM		
v.	VESTIBULE SLIDING DOOR				KALSI		
vi.	COMPTT.DOOR				RAIL TECH		
vii.	WATER TANKS				KUTEER, SHIVALIK		
viii.	UIC VESTIBULE				ELASTOMER		
ix	FLOOR BOARD				TAYAL		
X	PVC				RESPONSIVE		
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



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11.	<b>Bogie Details:</b>		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5021	NR	LWFAC	153083	22-09-2015			
11.1	<b>Wheel &amp; Axle Details:</b>		PP Side				NPP Side			
	i.	Bogie No.	156692				156693			
	ii.	Frame No.	FIAT-4085				FIAT-4294			
	iii.	Bolster No.	5108-P				5051-GT			
	iv.	Axle No.	126221/471	129360/982	128984/986	126079/475				
	v.	Wheel Dia.	917.00	916.50	916.00	916.00	917.00	917.00	917.50	918.00
	vi.	Wheel Disc No.	6191-00146	6232-00214	6191-00003	6131-00060	06232-00080	06232-00079	6232-00033	6234-00095
	vii.	R.B. Nos.	22534	22660	22810	23119	30131	02735	35058	30150
	viii.	R.B. Make	SKF		SKF		SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	<b>Secondary suspension load deflection Values:</b>									
<b>Description</b>		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	DN-12-3-3211	DN-12-3-1786	DN-12-3-2993	DN-12-3-1859	DN-12-3-3263	DN-12-3-1826	DN-12-3-3355	DN-12-3-1871	
ii.	Ht. at test load	506	465	507	463	508	465	510	460	
iii.	Align .deviation	17	9	17	10	18	9	20	16	
11.3	<b>Items traceability:</b>									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	L&S-13-2		L&S-13-2		GF			
	ii.	Primary inner Spring	L&S-13-2		L&S-13-2		GF			
	iii.	Primary Damper	1695,1757,713,1633		1674,1730,1668,1707		GEREP			
	iv.	Secondary damper	1127,1142		1108,1094		GEREP			
	v.	Lateral Damper	406		428		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	G15132/600,G15165/600, G15131/600,G15160/600		G15140/600,G15125/600, G15143/600,G15150/600		FTI			
	viii.	Brake Disc					KBI			
	ix.	Ball joint Control arm					GMT,MGN			
	x.	Lateral Bump stop					MGN			
	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			
11.4	i.	Modification / Trial (if any):			NIL					
	ii.	Deviations (if any):			NIL					

LWACCW-5021