



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5003	DISPATCH DATE				14.08.2015
2.	Railway	NR	Type	LWSCZAC	Coach No.	153162	
3.	Booked to	SSE/C&W/NDLS					
4.	Tare Weight of Coach	40.28 T					
5.	Carrying Capacity	Seating	78	Sleeping	NIL	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)	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 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		
iii.	CDTS				AIR FLOW		
iv.	SEAT & BERTH				SUTLEJ		
v.	BODY SIDE DOORS				JBM		
vi.	SALOON COMPTT DOORS				KALSI		
vii.	VESTIBULE SLIDING DOOR				CP		
viii.	WATER TANKS				E C BLADES, MANOJ		
ix	UIC VESTIBULE				ELASTOMER		
x	LUGGAGE RACK				HANSPAL		
XI	FLOOR BOARD				TAYAL		
XII	PVC				PREMIER POLYFILM		
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			
			5003	NR	LWSCZAC	153162	31-07-2015			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156560				156561			
	ii.	Frame No.	FIAT-4222				FIAT-4158			
	iii.	Bolster No.	4813-VT				4890			
	iv.	Axle No.	126616/480	125931/477	126019/475	128411/983				
	v.	Wheel Dia.	917.00	917.00	916.00	916.00	916.50	916.00	916.00	916.00
	vi.	Wheel Disc No.	06146/00041	06146/00068	6147-00153	06146-00201	178-63305	187-10583	06146-00097	06146-00039
	vii.	R.B. Nos.	25186	25781	23544	24291	31762	31327	32191	02821
	viii.	R.B. Make	SKF		SKF		SKF		SKF	
	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-13-3-311	G-13-04-4640	DN-12-12-244	G-13-04-4681	DN-12-09-2270	G-13-04-4643	DN-12-2425	G-13-04-4410	
ii.	Ht. at test load	505	468	506	467	504	467	506	467	
iii.	Align .deviation	19	21	21	22	17	16	18	18	
11.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			L&S-13-3		FSK-12-12		FSK	
	ii.	Primary inner Spring			RSK-14-5		RSK-14-5		RSK	
	iii.	Primary Damper			24316,25000,24574,24379		24547,24457,24778,24433		KONI	
	iv.	Secondary damper			4547,4631		4798,4601		KONI	
	v.	Lateral Damper			468		55		GEREP	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper			15070/600,15105/600,15067/600,15107/600		15074/600,15101/600,15071/600,15110/600		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							MGN	
	xiv.	Traction centre elastic							MGN,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, EMSON	
11.4	i.	Modification / Trial (if any):			NIL					
	ii.	Deviations (if any):			NIL					