



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4003	DISPATCH DATE			2.6.2014	
2.	Railway	NR	Type	LWCBAC	Coach No.	143802	
3.	Booked to		SSE/C&W/NDLS				
4.	Tare Weight of Coach		40.9 T				
5.	Carrying Capacity	Seating	NIL	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		1100	1102	
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 ²		6 –10 sec		6 Sec
			Max Pressure in BC		3.80 ± 0.15 Kg/cm ²		3.80
			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	89	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT					KBI	
ii.	CDTS/ BIO TOILET					AMIT	
iii.	SEATS/ BERTHS					AAR KAY FOAMS	
iv.	BODY SIDE DOOR					JBM	
v.	VESTIBULE SLIDING DOOR					JBM	
vi.	SALOON DOOR					KALSI	
vii.	WATER TANKS					AMIT & MANOJ	
viii.	UIC VESTIBULE					KRP	
ix	FLOOR BOARD					TAYAL	
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			
			4003	NR	LWCBAC	143802	26-04-14			
12.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	146280				146364			
	ii.	Frame No.	FIAT-2841				FIAT-2826			
	iii.	Bolster No.	3729-P				172-HEI			
	iv.	Axle No.	W-4657		RWF-110246		RWF-110543		RWF-109427	
	v.	Wheel Dia.	915.00	915.00	918.00	918.00	917.50	917.00	917.00	917.00
	vi.	Wheel Disc No.	104-51908	329-51915	320-51916	096-51908	050-51781	242-50846	236-51910	057-51915
	vii.	R.B. Nos.	09105	08557	08021	09112	06957	03810	91615	02943
	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-13-4-3400	G-13-5-4899	DN-13-4-3425	G-13-5-1855	DN-3-12-3221	G-4-13-4130	DN-3-12-3358	G-4-13-3270
ii.	Ht. attest load		505	466	503	464	504	464	509	464
iii.	Align .deviation		20	12	20	16	17	12	17	10
12.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			L&S-02-13		L&S-02-13		L&S	
	ii.	Primary inner Spring			L&S-05-12		L&S-05-12		L&S	
	iii.	Primary Damper							GEREP	
	iv.	Secondary damper							SACHS	
	v.	Lateral Damper							SACHS	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper							KBI	
	viii.	Brake Disc							KBI	
	ix.	Ball joint Control arm							SGA	
	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							SARITA	
	xviii.	Ball joint roll link							SARITA	
	xix.	Fork make							EMSON	
12.4	i.	Modification / Trial (if any):							NIL	
	ii.	Deviations (if any):							NIL	