



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4011	DISPATCH DATE			30.9.2014
2.	Railway	NR	Type	LWCBAC	Coach No.	143803
3.	Booked to		SSE/C&W/NDLS			
4.	Tare Weight of Coach		40.9 T			
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage
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	1100	
	v)	Buffer/CBC (Make)	FAIVELEY	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	NEROLAC	87/87	
	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	AIKON			
	iii.	SEATS/ BERTHS	AMIR CHAND			
	iv.	BODY SIDE DOOR	JBM			
	v.	VESTIBULE SLIDING DOOR	KALSI			
	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	
			4011		NR		LWCBAC		143803/C		12-08-2014	
12.1	Wheel & Axle Details:		PP Side					NPP Side				
	i.	Bogie No.	146308					146425				
	ii.	Frame No.	SCI-24					FIAT-2892				
	iii.	Bolster No.	179-HEI					HEI-NIL				
	iv.	Axle No.	116193/377		128506/983			Z-3959		Z-3906		
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	916.00	916.00	916.00	916.50		
	vi.	Wheel Disc No.	073-11600	195-10579	091-11600	196-11600	028-11600	205-11607	159-63307	034-11600		
	vii.	R.B. Nos.	00325	00357	00639	00527	36063	36289	36143	36161		
	viii.	R.B. Make	TIMKEN		TIMKEN			TIMKEN		TIMKEN		
	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.		CMFSK-01-13-954-93131	CVFSK-12-12-9513-35125	CMFSK-01-13-954-93130	CVFSK-12-12-9513-85-36	CMFSK-0103-351-141	CVFSK-12-12-351-134	CMFSK-0103-142	CVFSK-12-12-351-30		
ii.			Ht. attest load	507	466	508	466	510	466	511	465	
iii.			Align .deviation	19	37	21	41	18	42	20	46	
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			RSK-03-13			RSK-03-13			RSK	
	ii.	Primary inner Spring			RSK-03-13			RSK-03-13			RSK	
	iii.	Primary Damper									KONI	
	iv.	Secondary damper									SACHS	
	v.	Lateral Damper									SACHS	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper									FTI	
	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									SGA	
	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					