



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5016	DISPATCH DATE				07.10.2015
2.	Railway	NFR	Type	LWLRRM	Coach No.	14852	
3.	Booked to	SSE/C&W/GHY					
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	1102	1104		
	v)	Buffer/CBC (Make)	FAIVELEY	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		
	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			CP/CP		
	viii.	WATER TANKS			E C BLADES & SHIVALIK		
	ix	FUEL TANK			GAURAV		
	x	UIC VESTIBULE			SUNCREAST		
	XI	FLOOR BOARD			TAYAL/NARBADA		
	XII	PVC			RESPONSIVE		
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			
			5016	NFR	LWLRRM	14852	28-08-2015			
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)				LPC-II NPP Side (Non guard)			
	i.	Bogie No.	156588				156589			
	ii.	Frame No.	FIAT-4090				FIAT-4172			
	iii.	Bolster No.	4849-VT				4952-VT			
	iv.	Axle No.	128524/988	116203/377	128998/986	126571/484				
	v.	Wheel Dia.	916.00	916.00	917.00	917.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	6149-00149	6197-00125	6213-00109	6232-00121	6197-00052	6212-00072	6196-00218	6198-00164
	vii.	R.B. Nos.	04326	04430	03573	03672	04313	04203	03147	04269
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	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.	FSK-13-01-7146	FSK-12-12-1145	FSK-13-01-7146	FSK-12-12-1145	G-15-4-115	G-12-9-232	G-15-4-104	G-12-9-175	
ii.	Ht. at test load	509	465	507.50	465	514	468	515	469	
iii.	Align .deviation	10	10	13	10	17	14	16	13	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	L&S-12-5		L&S-12-5		L&S			
	ii.	Primary inner Spring	G-15-03		G-15-03		GF			
	iii.	Primary Damper	805,1718,610,664		769,807,721,867		GEREP			
	iv.	Secondary damper	1280,1255		1295,1272		GEREP			
	v.	Lateral Damper	516		400		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	18799/261,18906/260, 18996/261,18909/260		18800/261,18234/261, 18235/261,18798/261		KBI			
	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					EMSON, SARITA			
11.4	i.	Modification / Trial (if any):	NIL							
	ii.	Deviations (if any):	NIL							

LPC-5016