



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4012	DISPATCH DATE			04.12.2014
2.	Railway	NFR	Type	LWCBAC	Coach No.	14804
3.	Booked to	SSE/C&W/GHY				
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		1098	1095	
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	VIBGYOR	86/87`	
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					AIKON
iii.	SEATS/ BERTHS					AMIR CHAND
iv.	BODY SIDE DOOR					JBM
v.	VESTIBULE SLIDING DOOR					JBM
vi.	SALOON DOOR					KALSI
vii.	WATER TANKS					SHIVALIK, AMIT & KUTEER
viii.	UIC VESTIBULE					KRP
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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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4012		NFR		LWCBAC		14804/C		19-06-14	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	146528						146529			
	ii.	Frame No.	FIAT-2933						FIAT-3016			
	iii.	Bolster No.	3859-P						3887-P			
	iv.	Axle No.	125797/473			126091/415			125866/477		Z-3968	
	v.	Wheel Dia.	915.50	915.50	915.50	915.50	915.50	915.50	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	107-10579	268-10579	175-10568	358-51908	219-10533	286-10583	117-10559	353-10533	117-10559	353-10533
	vii.	R.B. Nos.	3450	34498	34993	34164	34171	34163	00078	34281	00078	34281
	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.	BPS-2013-36	BPS-2013-110	BPS-2013-43	BPS-2013-163	BPS-2013-35	BPS-2013-187	BPS-2013-45	BPS-2013-158			
ii.	Ht. attest load	507	468	507	468	511	462	507	468			
iii.	Align .deviation	6	23	6	20	5	20	3	16			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			BPS-2013		BPS-2013		BPS			
	ii.	Primary inner Spring			BPS-2013		BPS-2013		BPS			
	iii.	Primary Damper							KONI			
	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							SGA			
	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			
12.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					

LWCBAC-4012