



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

**ROLLING STOCK CERTIFICATE**

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4013	DISPATCH DATE				<b>21.10.2014</b>
2.	Railway	NER	Type	<b>LWCBAC</b>	Coach No.	<b>14801</b>	
3.	Booked to		<b>SSE/C&amp;W/GKP</b>				
4.	Tare Weight of Coach		<b>40.9 T</b>				
5.	Carrying Capacity	Seating	NIL	<b>Sleeping</b>	<b>NIL</b>	Luggage	<b>NIL</b>
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 )	<b>FAIVELEY</b>	<b>Fiba Device</b>	<b>NIL</b>		
7.	Air Brake Testing:		Description	Specified	Observed		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm <sup>2</sup>	6 –10 sec	6 Sec		
			Max Pressure in BC	3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	<b>PU PAINT</b>	<b>NEROLAC</b>	<b>87/88</b>		
	8.2	APPLICATION OF PCN-123	<b>SATISFACTORY</b>				
	8.3	INSUALTION	<b>SATISFACTORY</b>				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT	<b>FAIVELEY</b>				
	ii.	CDTS/ BIO TOILET	<b>AIR FLOW</b>				
	iii.	SEATS/ BERTHS	<b>GANDHI</b>				
	iv.	BODY SIDE DOOR	<b>JBM</b>				
	v.	VESTIBULE SLIDING DOOR	<b>KALSI</b>				
	vi.	SALOON DOOR	<b>KALSI</b>				
	vii.	WATER TANKS	<b>AMIT &amp; KUTEER</b>				
	viii.	UIC VESTIBULE	<b>KRP/CEMCON</b>				
	ix	<b>FLOOR BOARD</b>	<b>TAYAL</b>				
	X	<b>PVC</b>	<b>RESPONSIVE</b>				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



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<b>12.</b>	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>		
			4013		NER		LACCW				08-09-2014		
<b>12.1</b>	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	146771						146772				
	ii.	<b>Frame No.</b>	FIAT-3302						FIAT-3433				
	iii.	<b>Bolster No.</b>	3973-VT						4175-GT				
	iv.	<b>Axle No.</b>	105933/631		106476/623		106029/631		106197/630				
	v.	<b>Wheel Dia.</b>	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00			
	vi.	<b>Wheel Disc No.</b>	252-11603	378-11603	239-11603	197-11603	235-10568	300-11603	125-62321	171-11607			
	vii.	<b>R.B. Nos.</b>	01251	00974	00853	01054	36585	01238	01088	00918			
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN				
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING										
<b>12.2</b>	<b>Secondary suspension load deflection Values:</b>												
<b>Description</b>		Secondary 1		Secondary 2		Secondary 1		Secondary 2					
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner				
i.	<b>Make &amp; nos.</b>	G-12-4-1026	G12-4-1824	G-12-4-1031	G12-4-1815	G-12-4-1044	G12-4-1808	G-12-4-1110	G12-4-1792				
ii.	<b>Ht. attest load</b>	510	462	510	468	509	467	511	468				
iii.	<b>Align .deviation</b>	3	14	1	17	6	14	4	12				
<b>12.3</b>	<b>Items traceability:</b>												
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>		<b>NPP side Bogie</b>		<b>Make</b>				
	i.	Primary Outer Spring			G-3-13		G-2-13		GF				
	ii.	Primary inner Spring			G-5-12		G-6-12		GF				
	iii.	Primary Damper							KONI				
	iv.	Secondary damper							GEREP				
	v.	Lateral Damper							KONI				
	vi.	Yaw Damper							NIL				
	vii.	Brake cylinder & Caliper							FTI				
	viii.	Brake Disc							KBI				
	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							SGA				
	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.	<b>Modification / Trial (if any):</b>					NIL						
	ii.	<b>Deviations (if any):</b>					NIL						