



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4004	DISPATCH DATE			<b>10.7.2014</b>
2.	Railway	NF	Type	<b>LWFAC</b>	Coach No.	<b>14001</b>
3.	Booked to	<b>SSE/C&amp;W/GHY</b>				
4.	Tare Weight of Coach	<b>43.6 T</b>				
5.	Carrying Capacity	Seating	24	<b>Sleeping</b>	<b>24</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	1095	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	3.00 ± 0.15 Kg/cm <sup>2</sup>	3.00	
			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</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>AMIT</b>			
	iii.	SEATS/ BERTHS	<b>AAR KAY FOAMS</b>			
	iv.	BODY SIDE DOOR	<b>JBM</b>			
	v.	VESTIBULE SLIDING DOOR	<b>JBM</b>			
	vi.	SALOON DOOR	<b>JBM</b>			
	vii.	WATER TANKS	<b>AMIT &amp; E C BLADE</b>			
	viii.	UIC VESTIBULE	<b>KRP</b>			
	ix	<b>FLOOR BOARD</b>	<b>TAYAL</b>			
	x	<b>PVC FLOORING</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>	
			4004		NF		LACCW		14001		10-06-14	
<b>12.1</b>	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>				<b>NPP Side</b>					
	i.	<b>Bogie No.</b>	146350				146351					
	ii.	<b>Frame No.</b>	FIAT-3053				FIAT-3086					
	iii.	<b>Bolster No.</b>	3803-GT				3887-GT					
	iv.	<b>Axle No.</b>	Z-3461		Z-3425		Z-3892		Z-3037			
	v.	<b>Wheel Dia.</b>	916.00	916.00	916.00	916.00	916.00	916.00	915.50	915.00		
	vi.	<b>Wheel Disc No.</b>	117-10583	218-10579	164-10583	282-10583	100-10559	193-11611	195-10533	118-10583		
	vii.	<b>R.B. Nos.</b>	34258	00180	34567	34245	05058	00023	00466	00056		
	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>	DN-3-13-3588	G-2-13-4270	DN-3-13-3920	G-2-13-4655	DN-3-13-3428	G-2-13-4275	DN-3-13-3420	G-2-13-5776			
ii.	<b>Ht. attest load</b>	506	467	511	466	502	467	504	464			
iii.	<b>Align .deviation</b>	18	13	16	12	24	8	21	6			
<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			L&S-03-13		L&S-03-13		L&S			
	ii.	Primary inner Spring			L&S-05-12		L&S-05-12		L&S			
	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							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						