



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

**ROLLING STOCK CERTIFICATE**

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4002	DISPATCH DATE			20.12.2014	
2.	Railway	ECOR	Type	LWFCZAC	Coach No.	14166	
3.	Booked to	SSE/C&W/PUI					
4.	Tare Weight of Coach	39.00 T					
5.	Carrying Capacity	Seating	56	Sleeping	NIL	Luggage	NIL
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 )	ESCORTS	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 <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	PU PAINT	VIBGYOR	86/86.3		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT			KBI		
	iii.	CDTS			AMIT		
	iv.	FLOOR,SEAT & BERTH,PVC			NARBADA,SATLEJ,RESPONSIVE		
	v.	BODY SIDE DOORS			JBM		
	vi.	SALOON COMPTT DOORS			KALSI		
	vii.	VESTIBULE SLIDING DOOR			JBM		
	viii.	WATER TANKS			AMIT		
	ix	UIC VESTIBULE			CEMCON		
	x	LUGGAGE RACK,LP PANNEL			RAIL TECH		
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



**रेल डिब्बा कारखाना, कपूरथला**  
Rail Coach Factory , Kapurthala

<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>	
			4002		ECOR		LWFCZAC		14166/C		09-06-14	
<b>12.1</b>	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	146510					146511				
	ii.	<b>Frame No.</b>	FIAT-2421					FIAT-2926				
	iii.	<b>Bolster No.</b>	3909-VT					3875-VT				
	iv.	<b>Axle No.</b>	126578/481		Z-3955			Z-3278		Z-3437		
	v.	<b>Wheel Dia.</b>	916.00	916.50	916.00	916.00	916.00	916.50	917.00	917.00		
	vi.	<b>Wheel Disc No.</b>	308-10559	120-10579	098-10589	203-10582	071-61077	142-10583	169-10583	277-10579		
	vii.	<b>R.B. Nos.</b>	03676	77134	12059	77356	06911	06989	03671	12542		
	viii.	<b>R.B. Make</b>	SKF		SKF			SKF		SKF		
	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	Outer	Inner	
i.	<b>Make &amp; nos.</b>	BPS-2013-55	BPS-2013-041	BPS-2013-7	BPS-2013-104	BPS-2013-37	BPS-2013-67	BPS-2013-125	BPS-2013-38			
ii.	<b>Ht. attest load</b>	507	467	508	466	509	468	510	466			
iii.	<b>Align .deviation</b>	10	21	7	18	7	23	4	21			
<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			BPS-2013		BPS-2013		BPS			
	ii.	Primary inner Spring			BPS-2013		BPS-2013		BPS			
	iii.	Primary Damper							GEREP			
	iv.	Secondary damper							GEREP			
	v.	Lateral Damper							GEREP			
	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							SARITA			
	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				

LWFCZAC-4002