



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4011	DISPATCH DATE				09.03.2015
2.	Railway	SER	Type	LWFAC	Coach No.	148001	
3.	Booked to			SSE/C&W/SRC			
4.	Tare Weight of Coach			43.6 T			
5.	Carrying Capacity	Seating	24	Sleeping	24	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	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 <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	ADVANCE	88/88		
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			M K PRECISION			
iii.	SEATS/ BERTHS			AAR KAY FOAMS			
iv.	BODY SIDE DOOR			JBM			
v.	VESTIBULE SLIDING DOOR			KALSI			
vi.	SALOON DOOR			JBM			
vii.	WATER TANKS			SHIVALIK, AMIT			
viii.	UIC VESTIBULE			CEMCON			
ix	FLOOR BOARD			NARBADA			
x	PVC FLOORING			RESPONSIVE			
10.							
i	Modification / Trail (if any):				NIL		
ii	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>	
			4011		SER		LWFAC		148001		07-01-2015	
<b>12.1</b>	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>				<b>NPP Side</b>					
	i.	<b>Bogie No.</b>	156014				156013					
	ii.	<b>Frame No.</b>	FIAT-3703				SCI-FM-11					
	iii.	<b>Bolster No.</b>	4332-VT				4378-VT					
	iv.	<b>Axle No.</b>	A-2935		Z-3773		RWF-109053		Z-3691			
	v.	<b>Wheel Dia.</b>	918.00	917.50	917.50	917.50	917.00	917.00	916.00	916.00		
	vi.	<b>Wheel Disc No.</b>	176-11605	236-11596	025-11605	111-11605	233-10568	018-10568	188-51912	299-51915		
	vii.	<b>R.B. Nos.</b>	36541	00379	00843	36617	00602	00492	34225	00483		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
ix.	<b>RB Type</b>	<b>UIC CARTRIDGE TAPER ROLLER BEARING</b>										
<b>12.2</b>	<b>Secondary suspension load deflection Values:</b>											
<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	<b>Make &amp; nos.</b>	YR-13-12-033	YR13-11-12	YR13-12-047	YR13-11-5	YR13-12-045	YR13-11-3	YR13-12-048	YR13-11-92			
ii.	<b>Ht. attest load</b>	512	467.5	510.5	465.3	510.6	467.7	510.2	467.2			
iii.	<b>Align .deviation</b>	28.11	38.64	25.30	36.35	22.68	34.32	21.63	27.80			
<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			YR-13-11		YR-13-11		YR			
	ii.	Primary inner Spring			YR-13-12		YR-13-12		YR			
	iii.	Primary Damper							KONI			
	iv.	Secondary damper							GEREP			
	v.	Lateral Damper							GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							KBI			
	viii.	Brake Disc							FTI			
	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							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/MGN			
	xix.	Fork make							SARITA			
12.4	i.	<b>Modification / Trial (if any):</b>				NIL						
	ii.	<b>Deviations (if any):</b>				NIL						

**LWFAC-4011**