



**ROLLING STOCK CERTIFICATE**

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5002	DISPATCH DATE			14.08.2015
2.	Railway	NR	Type	LWFCZAC	Coach No.	153876
3.	Booked to	SSE/C&W/NDLS				
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	86/87	
	8.2	APPLICATION OF PCN-123	SATISFACTORY			
	8.3	INSUALTION	SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
	i.	BRAKE EQUIPMENT			KBI	
	iii.	CDTS			AIR FLOW	
	iv.	FLOOR,SEAT & BERTH,PVC			TAYAL,SATLEJ,RESPONSIVE	
	v.	BODY SIDE DOORS			JBM	
	vi.	SALOON COMPTT DOORS			KALSI	
	vii.	VESTIBULE SLIDING DOOR			CP	
	viii.	WATER TANKS			SHIVALIK & EC BLADE	
	ix	UIC VESTIBULE			CEMCON	
	x	LUGGAGE RACK,LP PANNEL			RAIL TECH,NA	
10.						
	10.1	Modification / Trail (if any):				NIL
	10.2	Deviations if any:				NIL



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Rail Coach Factory , Kapurthala

11.	<b>Bogie Details:</b>		Shell No.		Railway		Type		Coach No.		Dispatch Date		
			5002		NR		LWSCZAC		153876/C		24-07-2015		
11.1	<b>Wheel &amp; Axle Details:</b>		PP Side				NPP Side						
	i.	Bogie No.	156496				156497						
	ii.	Frame No.	FIAT-4056				FIAT-3940						
	iii.	Bolster No.	116-VT/ASR				4870-P						
	iv.	Axle No.	127785/987		125710/139		128106/984		125842/477				
	v.	Wheel Dia.	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00	
	vi.	Wheel Disc No.	06147-00055	06146-00158	06146-00086	06146-00083	06147-00140	06148-00171	06147-00102	06148-00193	06147-00193	06148-00193	
	vii.	R.B. Nos.	03840	04754	03923	04311	04759	04123	03922	03922	03922	03980	
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN				
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING										
11.2	<b>Secondary suspension load deflection Values:</b>												
	Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.		DN-13-02-2961	G-12-11-3723	DN-13-02-3153	G-12-08-5405	DN-12-11-2164	G-12-11-4055	DN-13-06-3749	G-12-11-3731			
ii.	Ht. at test load		508	467	507	467	507	466	509	467			
iii.	Align .deviation		16	16	17	20	20	30	23	32			
11.3	<b>Items traceability:</b>												
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make		
	i.	Primary Outer Spring			L&S-13-03			L&S-13-03			L&S		
	ii.	Primary inner Spring			YR-13-07			YR-13-07			YR		
	iii.	Primary Damper			24769,24838,24553,24495			24841,24580,24903,24367			KONI		
	iv.	Secondary damper			5104,5291			5208,4985			KONI		
	v.	Lateral Damper			2867			L-3127			KONI		
	vi.	Yaw Damper									NIL		
	vii.	Brake cylinder & Caliper			1089/691,1218/691,1090/691,1219/691			1108/691,1163/691,1107/691,1162/691			KBI		
	viii.	Brake Disc									FTI,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									MGN		
	xiv.	Traction centre elastic									MHN		
	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		
11.4	i.	Modification / Trial (if any):			TREAD CLEANING UNIT PROVIDED								
	ii.	Deviations (if any):			NIL								

LWFCZAC-5002