



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			04.12.2014
2.	Railway	ECOR	Type	LWSCZAC	Coach No.	14153
3.	Booked to	SSE/C&W/				
4.	Tare Weight of Coach	40.28 T				
5.	Carrying Capacity	Seating	78	Sleeping	NIL	Luggage
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 ²	6 –10 sec	6 Sec	
			Max Pressure in BC	3.00 ± 0.15 Kg/cm ²	3.00	
			All Brake are applied	OK	OK	
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK	
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE	
	8.1	PAINT	PU PAINT	VIBGYOR'	85/88	
	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.	SEAT & BERTH		SUTLEJ		
	v.	BODY SIDE DOORS		JBM		
	vi.	SALOON COMPTT DOORS		KALSI		
	vii.	VESTIBULE SLIDING DOOR		JBM		
	viii.	WATER TANKS		AMIT		
	ix	UIC VESTIBULE		KRP		
	x	LUGGAGE RACK		HANSPAL		
	XI	FLOOR BOARD		TAYAL		
	XII	PVC		RESPONSIVE		
10.						
	10.1	Modification / Trail (if any):			NIL	
	10.2	Deviations if any:			NIL	



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4013		ECOR		LWSCZAC		14153/C		10-06-14	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	146514						146515			
	ii.	Frame No.	FIAT-2967						FIAT-2937			
	iii.	Bolster No.	3918-P						3161-VT			
	iv.	Axle No.	Z-3905			Z-3725			Z-3335		Z-3106	
	v.	Wheel Dia.	916.50	916.00	916.50	916.00	915.50	916.00	916.00	916.00		
	vi.	Wheel Disc No.	122-10583	248-11611	299-10579	348-10533	230-10533	005-10570	097-63305	248-62314		
	vii.	R.B. Nos.	34532	34587	34300	00521	00467	00456	34203	34154		
	viii.	R.B. Make	TIMKEN			TIMKEN			TIMKEN		TIMKEN	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	BPS-2013-33	BPS-2013-131	BPS-2013-60	BPS-2013-077	BPS-2013-24	BPS-2013-146	BPS-2013-76	BPS-2013-189			
ii.	Ht. attest load	509	467	507	468	510	468	507	468			
iii.	Align .deviation	8	18	7	22	8	25	5	25			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie		Make		
	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								SACHS		
	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.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

LWSCZAC-4013