



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4014	DISPATCH DATE				16.02.2015
2.	Railway	NER	Type	LWSCZAC	Coach No.	14196	
3.	Booked to	SSE/C&W/GKP					
4.	Tare Weight of Coach	40.28 T					
5.	Carrying Capacity	Seating	78	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	1100			
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	89/88		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
i.	BRAKE EQUIPMENT			KBI			
iii.	CDTS			ESCORTS			
iv.	SEAT & BERTH			SUTLEJ			
v.	BODY SIDE DOORS			JBM			
vi.	SALOON COMPTT DOORS			CP			
vii.	VESTIBULE SLIDING DOOR			KALSI			
viii.	WATER TANKS			AMIT , SHIVALIK			
ix	UIC VESTIBULE			CEMCON			
x	LUGGAGE RACK			RAIL TECH			
XI	FLOOR BOARD			NARBADA			
XII	PVC			RESPONSIVE			
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



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12.	Bogie Details:	Shell No.	Railway	Type	Coach No.	Dispatch Date			
		4014	NER	LWSCZAC	14196	08/01/2015			
12.1	Wheel & Axle Details:	PP Side				NPP Side			
	i. Bogie No.	147084				147085			
	ii. Frame No.	FIAT-3551				FIAT-3543			
	iii. Bolster No.	4333-VT				4430-VT			
	iv. Axle No.	128187/984	Z-3591		A-3005		R-3139		
	v. Wheel Dia.	916.00	916.00	916.50	916.50	916.00	916.00	916.00	916.00
	vi. Wheel Disc No.	254-51910	306-51916	285-16339	241-11610	255-16339	302-16339	351-11610	227-11596
	vii. R.B. Nos.	36645	36453	36186	35987	00834	03257	36405	36047
	viii. R.B. Make	TIM		TIM		TIM		TIM	
	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.	YR-13-12-131	YR-13-11-440	YR-13-12-083	YR-13-11-047	YR-13-12-092	YR-13-11-48	YR-13-12-081	YR-13-11-46
	ii. Ht. attest load	511.9	464.8	511	463.1	507.6	465.3	511.7	467.5
	iii. Align .deviation	24.73	30.25	26.17	35.73	29.91	22.65	33.31	20.32
12.3	Items traceability:								
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make
	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							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							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							SARITA
12.4	i.	Modification / Trial (if any):				NIL			
	ii.	Deviations (if any):				NIL			