



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4022	DISPATCH DATE			22.01.2015
2.	Railway	NER	Type	LWSCZAC	Coach No.	14197
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	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	GS	86/88	
	8.2	APPLICATION OF PCN-123	SATISFACTORY			
	8.3	INSUALTION	SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
	i.	BRAKE EQUIPMENT			FAIVELEY	
	iii.	CDTS			VIBHU	
	iv.	SEAT & BERTH			SUTLEJ	
	v.	BODY SIDE DOORS			JBM	
	vi.	SALOON COMPTT DOORS			NA	
	vii.	VESTIBULE SLIDING DOOR			KALSI	
	viii.	WATER TANKS			E C BLADES, 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	



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4022		NER		LWSCZAC		14197		09-09-2014	
12.1	Wheel & Axle Details:		PP Side					NPP Side				
	i.	Bogie No.	146775					146776				
	ii.	Frame No.	FIAT-3432					FIAT-3429				
	iii.	Bolster No.	4164-GT					4122-VT				
	iv.	Axle No.	105843/627		106513/628		106313/629		105807/627			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	vi.	Wheel Disc No.	051-11603	255-11610	280-11603	260-11603	370-11603	226-10559	220-11603	231-10568		
	vii.	R.B. Nos.	01207	01595	00868	01127	01252	01300	01182	00972		
	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	Outer	Inner	
i.	Make & nos.	G8-12-1494	G8-12-2862	G8-12-1486	G8-12-2800	G8-12-1442	G8-12-2804	G8-12-1492	G8-12-1492	G8-12-2809		
ii.	Ht. attest load	509	466	511	468	510	467	510	466			
iii.	Align .deviation	4	26	5	30	5	18	6	21			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			G-03-13		G-03-13		GF			
	ii.	Primary inner Spring			G-05-12		G-05-12		GF			
	iii.	Primary Damper							KONI			
	iv.	Secondary damper							GEREP			
	v.	Lateral Damper							KONI			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							FTI			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							MGN/GMT			
	x.	Lateral Bump stop							GMT			
	xi.	Traction center make							SARITA			
	xii.	Traction lever make							SARITA			
	xiii.	Ball joint traction lever							SGA			
	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			
	xix.	Fork make							SARITA			
12.4	i.	Modification / Trial (if any):				NIL						
	ii.	Deviations (if any):				NIL						