



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

**ROLLING STOCK CERTIFICATE**

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4015	DISPATCH DATE				18.02.2015
2.	Railway	NR	Type	LWCBAC	Coach No.		143806
3.	Booked to			SSE/C&W/NDLS			
4.	Tare Weight of Coach			40.9 T			
5.	Carrying Capacity	Seating	NIL	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 )	FAIVELEY		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		3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80	
			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	88/89		
	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			ESCORTS		
	iii.	SEATS/ BERTHS			AAR KAY FOAMS		
	iv.	BODY SIDE DOOR			JBM, MRC		
	v.	VESTIBULE SLIDING DOOR			KALSI		
	vi.	SALOON DOOR			KALSI		
	vii.	WATER TANKS			AMIT & SHIVALIK		
	viii.	UIC VESTIBULE			CEMCON		
	ix	FLOOR BOARD			TAYAL		
	X	PVC			PREMIER POLYFILM		
	Xi	LP SHEET			NA		
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			
			4015	NR	LWCBAC	143806	06-01-2015			
12.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156019				147083			
	ii.	Frame No.	FIAT-3684				SCI-FM-75			
	iii.	Bolster No.	4380-VT				3830-P			
	iv.	Axle No.	Z-3408		Z-3211		A-2994		Z-3751	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	248-11607	226-11596	210-11610	014-11607	232-11596	079-11610	327-11610	111-11610
	vii.	R.B. Nos.	00895	36362	00849	36527	36371	36291	36578	00991
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
12.2	<u>Secondary suspension load deflection Values:</u>									
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	YR-13-12-54	YR-13-06-NIL	YR-13-12-056	YR-13-06-18	YR-13-12-084	YR-13-11-43	YR-13-12-083	YR-13-11-45	
ii.	Ht. attest load	508.00	467.40	509.20	463.90	511.90	463.40	508.60	463.90	
iii.	Align .deviation	22.72	34.84	21.35	34.31	20.27	25.24	19.85	25.30	
12.3	<u>Items traceability:</u>									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			YR-13-6		YR-13-6		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							GMT	
	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	
	xix.	Fork make							EMSON	
12.4	i.	Modification / Trial (if any):			NIL					
	ii.	Deviations (if any):			NIL					