



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5007	DISPATCH DATE				26.09.2015
2.	Railway	NR	Type	LWFAC	Coach No.	153010	
3.	Booked to		SSE/C&W/NDLS				
4.	Tare Weight of Coach		43.6 T				
5.	Carrying Capacity	Seating	24	Sleeping	24	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 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		ADVANCE	90/89	
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				AIR FLOW		
iii.	SEATS/ BERTHS				AAR KAY FOAMS		
iv.	BODY SIDE DOOR				JBM		
v.	VESTIBULE SLIDING DOOR				KALSI		
vi.	SALOON DOOR				KALSI		
vii.	WATER TANKS				AMIT, E C BLADES, MANOJ		
viii.	UIC VESTIBULE				SUNCREAST		
ix	FLOOR BOARD				TAYAL		
x	PVC FLOORING				RESPONSIVE		
10.							
i	Modification / Trail (if any):				NIL		
ii	Deviations if any:				NIL		



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5007		NR		LWFAC		153010		18-09-2015	
11.1	Wheel & Axle Details:		PP Side				NPP Side					
	i.	Bogie No.	156644				156645					
	ii.	Frame No.	FIAT-4204				FIAT-4195					
	iii.	Bolster No.	5003-VT				5055-GT					
	iv.	Axle No.	125846/477		126420/481		125571/377		127874/987			
	v.	Wheel Dia.	915.00	915.00	915.00	915.00	916.00	916.00	915.00	915.00	915.00	915.00
	vi.	Wheel Disc No.	6232-00177	6232-00180	6213-00009	6196-00108	06239-00108	6191-00091	6232-00006	6213-00029	6232-00006	6213-00029
	vii.	R.B. Nos.	22360	03311	22375	30085	22335	30498	16682	22383	16682	22383
	viii.	R.B. Make	SKF		SKF		SKF		SKF			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	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.	DN-13-2-3005	G-12-4-805	DN-13-3-3368	G-12-8-3163	DN-13-3-3338	G-12-3-3009	DN-13-3-3121	DN-13-3-3121	G-12-8-3104	DN-13-3-3121	G-12-8-3104
ii.	Ht. at test load	509	467	510	467	503	467	502	467	502	467	
iii.	Align .deviation	18	27	15	24	19	28	22	31	22	31	
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie			Make		
	i.	Primary Outer Spring			L&S-13-3		L&S-13-3			L&S		
	ii.	Primary inner Spring			CVFSK-12-12		CVFSK-12-12			CVFSK		
	iii.	Primary Damper			25433,25355,25394,25330		25472,25197,25313,25317			KONI		
	iv.	Secondary damper			5767,5540		6052,5743			KONI		
	v.	Lateral Damper			154		422			GEREP		
	vi.	Yaw Damper								NIL		
	vii.	Brake cylinder & Caliper			1584/691,1651/691,1583/691,1653/691		1502/691,1694/691,1555/691,1659/691			KBI		
	viii.	Brake Disc								KBI		
	ix.	Ball joint Control arm								MGN		
	x.	Lateral Bump stop								MGN		
	xi.	Traction center make								SARITA		
	xii.	Traction lever make								SARITA		
	xiii.	Ball joint traction lever								GMT		
	xiv.	Traction centre elastic								GMT		
	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):					NIL					
	ii.	Deviations (if any):					NIL					

LWFAC-5007