



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5042	DISPATCH DATE				10.03.2016
2.	Railway	SER	Type	LWCBAC	Coach No.		158804
3.	Booked to			SSE/C&W/SRC			
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)	ESCORTS		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		3.80 ± 0.15 Kg/cm ²		3.80
			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	88/89	
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:						Make
	i.	BRAKE EQUIPMENT					FAIVELEY
	ii.	CDTS/ BIO TOILET					RAIL FAB
	iii.	SEATS/ BERTHS					AMIR CHAND
	iv.	BODY SIDE DOOR					JBM
	v.	VESTIBULE SLIDING DOOR					KALSI
	vi.	SALOON DOOR					HANSPAL
	vii.	WATER TANKS					E C BLADES, SHIVALIK, AMIT
	viii.	UIC VESTIBULE					ESCORTS
	ix	FLOOR BOARD					TAYAL
	X	PVC					RESPONSIVE
	Xi	LP SHEET					
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5042	SER	LWCBAC	158804	15-12-2015			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156970				156971			
	ii.	Frame No.	FIAT-4503				VS-02			
	iii.	Bolster No.	5334-VT				154-GT/ASR			
	iv.	Axle No.	127902/987	126021/475	126110/471	128633/983				
	v.	Wheel Dia.	917.00	917.00	915.50	915.50	915.00	915.00	916.00	916.00
	vi.	Wheel Disc No.	7172-00063	06228-00016	7172-00101	6207-00091	6211-00042	7142-00087	6225-00031	6228-00038
	vii.	R.B. Nos.	03099	02375	01138	02187	01841	01758	05150	01217
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	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	
i.	Make & nos.	DN-12-5-1500	DN-12-6-1527	DN-12-6-1567	DN-12-6-1526	DN-12-6-1557	DN-12-6-1533	DN-12-6-1441	DN-12-6-1533	
ii.	Ht. at test load	506	462	507	460	512	464	510	464	
iii.	Align .deviation	14	5	16	6	15	3	17	5	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring	RSK-14-5			RSK-14-5			RSK	
	ii.	Primary inner Spring	L&S-13-2			L&S-13-2			L&S	
	iii.	Primary Damper	669,480,465,927			608,688,484,475			GEREP	
	iv.	Secondary damper	1511,1503			1521,1591			GEREP	
	v.	Lateral Damper	195			474			GEREP	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper	M15107/600,M15122/600 M15106/600,M15117/600			H15182/600,H15172/600 H15175/600,H15168/600			FTI	
	viii.	Brake Disc							FTI	
	ix.	Ball joint Control arm							MGN,GMT	
	x.	Lateral Bump stop							MGN	
	xi.	Traction center make							EMSON	
	xii.	Traction lever make							SARITA	
	xiii.	Ball joint traction lever							SGA	
	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				

LWCBAC-5042