



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4001	DISPATCH DATE			23.8.2014
2.	Railway	NR	Type	LAC OC	Coach No.	117
3.	Booked to	SSE/C&W/DELHI				
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	87/87	
	8.2	APPLICATION OF PCN-123	SATISFACTORY			
	8.3	INSUALTION	SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
	i.	BRAKE EQUIPMENT			FAVELLY	
	ii.	CDTS/ BIO TOILET			NA	
	iii.	SEATS/ BERTHS			NA	
	iv.	BODY SIDE DOOR			JBM	
	v.	COMPARTMENT DOOR			RAIL TECH	
	vi.	LAVOTARY DOOR			KALSI	
	vii.	WATER TANKS			AMIT ,EC BLADES	
	viii.	UIC VESTIBULE			NA	
	ix	FLOOR BOARD			TAYAL	
	X	PVC FLOORING			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	
			4001		NR		LAC OC		117/C		14-08-2014	
12.1	Wheel & Axle Details:		PP Side					NPP Side				
	i.	Bogie No.	146703					146704				
	ii.	Frame No.	FIAT-3238					FIAT-3352				
	iii.	Bolster No.	4087-VT					4060-P				
	iv.	Axle No.	Z-3721		RWF-109477			126057/475		128602/989		
	v.	Wheel Dia.	916.00	916.00	917.00	917.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	223-11610	041-11611	255-10559	355-10568	036-10533	183-10579	185-11600	113-11600	11600	11600
	vii.	R.B. Nos.	34306	00341	00307	00243	34178	00332	00220	00330	00330	00330
	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.	G-4-12-1119	G-4-12-2086	G-4-12-1098	G-4-12-2096	G-4-12-1023	G-4-12-2072	G-4-12-1103	G-4-12-1868	1103	1868	
ii.	Ht. attest load	509	466	510	466	509	467	509	467	509	467	
iii.	Align .deviation	2	16	3	18	4	21	3	18	3	18	
12.3	Items traceability:											
	S no.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-12-10			G-12-10			GF	
	ii.	Primary inner Spring			G-12-08			G-12-08			GF	
	iii.	Primary Damper									KONI	
	iv.	Secondary damper									SACHS	
	v.	Lateral Damper									SACHS	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper									FTI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									GMT	
	x.	Lateral Bump stop									SGA	
	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									EMSON	
12.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					

LOBAC-4001