



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5081	DISPATCH DATE			29.03.2016
2.	Railway	WR	Type	LWLRRM	Coach No.	16853
3.	Booked to	SSE/C&W/BCT/M				
4.	Tare Weight of Coach	53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage
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		1104	1104	
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	85
8.2	APPLICATION OF PCN-123		SATISFACTORY			
8.3	INSUALTION		SATISFACTORY			
9.	Traceability of Furnishing Items:					Make
i.	BRAKE EQUIPMENT			FAIVELEY		
iii.	CDTS			RAIL TECH		
iv.	SEATS/S&B			GANDHI		
v.	BODY SIDE DOOR			JBM		
vi.	VESTIBULE SLIDING DOOR			JVR		
vii.	CREW-GEN & GUARD ROOM DOOR			JBM/JBM		
viii.	WATER TANKS			AMIT & E C BLADES		
ix	FUEL TANK			GAURAV		
x	UIC VESTIBULE			ESCORTS		
XI	FLOOR BOARD			NARBADA		
XII	PVC			RESPONSIVE		
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	
			5081		WR		LWLRRM		16853/C		24-02-2016	
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166188					166187				
	ii.	Frame No.	FIAT-4689					FIAT-4583				
	iii.	Bolster No.	5547-P					5540-VT				
	iv.	Axle No.	126275/474		129052/986			K-3957		125731/473		
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	915.50	916.00		
	vi.	Wheel Disc No.	6223-00138	6206-00150	7290-00069	06223-00175	06229-00101	7290-00060	6223-00137	6206-00178		
	vii.	R.B. Nos.	04579	02709	05526	03877	05555	03447	04529	03411		
	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.	G-15-9-212	G-15-9-078	G-15-9-173	G-15-9-090	G-15-9-265	G-15-9-071	G-15-9-182	G-15-9-074			
ii.	Ht. at test load	511	467	511	465	513	469	513	467			
iii.	Align .deviation	5	13	7	13	14	12	14	9			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			GBD-15-11			GBD-15-11			GBD	
	ii.	Primary inner Spring			GBD-15-8			GBD-15-8			GBD	
	iii.	Primary Damper			1990,1440,1889,1264			1998,2173,2002,2141			GEREP	
	iv.	Secondary damper			1306,1098			1256,964			GEREP	
	v.	Lateral Damper			3753			3299			KONI	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper									-----	
	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									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	
11.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

LPC-5081