



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5003	DISPATCH DATE				11.08.2015
2.	Railway	NR	Type	LWLRRM	Coach No.		153851
3.	Booked to			SSE/C&W/ NDLS			
4.	Tare Weight of Coach		53.4 T				
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	3.9 T
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	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		VIBGYOR	87	
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:				Make		
	i.	BRAKE EQUIPMENT			FAIVELEY		
	iii.	CDTS			AIR FLOW		
	iv.	SEATS/S&B			AMIR CHAND		
	v.	BODY SIDE DOOR			SUKATA		
	vi.	VESTIBULE SLIDING DOOR			KALSI		
	vii.	CREW-GEN & GUARD ROOM DOOR			--		
	viii.	WATER TANKS			E C BLADES, KUTEER		
	ix	FUEL TANK			GAURAV		
	x	UIC VESTIBULE			ELASTOMER		
	XI	FLOOR BOARD			TAYAL		
	XII	PVC			RESPONSIVE		
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5003	NR	LWLRRM	153851/C	31-07-2015			
11.1	Wheel & Axle Details:		LPC-1 PP Side(Guard)				LPC-II NPP Side (Non guard)			
11.2	i.	Bogie No.	156562				156563			
	ii.	Frame No.	FIAT-4160				FIAT-4233			
	iii.	Bolster No.	4666-VT				4649-P			
	iv.	Axle No.	127865/937		128389/983		C-3933		C-4052	
	v.	Wheel Dia.	917.00	917.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	060-61077	272-10583	044-10597	297-10559	235-10583	166-10579	160-10579	130-10582
	vii.	R.B. Nos.	03768	03512	03608	04668	25117	25770	26960	26974
	viii.	R.B. Make	TIMKEN		TIMKEN		SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.3	<u>Secondary suspension load deflection Values:</u>									
		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
11.4	Make & nos.	G-12-10-169	G-12-10-220	G-12-10-174	G-12-10-217	G-15-4-126	G-12-9-272	G-15-4-101	G-12-9-247	
	Ht. attest load	511	467	510	465	512	469	512	471	
11.	Align .deviation	6	7	6	10	16	8	14	7	
<u>Items traceability:</u>										
11.1	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
11.2	i.	Primary Outer Spring	YR-13-11		YR-10-10		YR			
	ii.	Primary inner Spring	FSK-14-5		FSK-12-12		FSK			
	iii.	Primary Damper	823,817,819,813		59,63,92,35		GEREP			
	iv.	Secondary damper	616,603		774,120		GEREP			
	v.	Lateral Damper	2807		2851		KONI			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	141777/2000,141832/2000 141722/2000,147556/2000		141706/2000,141810/2000 142729/2000,141809/2000		FTI			
	viii.	Brake Disc					FTI			
	ix.	Ball joint Control arm					MGN			
11.3	x.	Lateral Bump stop					GMT			
	xi.	Traction center make					SARITA			
	xii.	Traction lever make					SARITA			
11.4	xiii.	Ball joint traction lever					GMT			
	xiv.	Traction centre elastic					GMT			
11.	xv.	Secondary rubber pad					TESPAK			
	xvi.	Rubber spring					GMT			
11.1	xvii.	Anti roll bar make					EMSON			
11.2	xviii.	Ball joint roll link					SARITA			
	xix.	Fork make					EMSON			
	i.	Modification / Trial (if any):			NIL					
	ii.	Deviations (if any):			NIL					