



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4020	DISPATCH DATE			22.01.2015
2.	Railway	NR	Type	LWSCZAC	Coach No.	143178
3.	Booked to	SSE/C&W/NDLS				
4.	Tare Weight of Coach	40.28 T				
5.	Carrying Capacity	Seating	78	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	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	86/87	
	8.2	APPLICATION OF PCN-123	SATISFACTORY			
	8.3	INSUALTION	SATISFACTORY			
9.	Traceability of Furnishing Items:			Make		
	i.	BRAKE EQUIPMENT			FAIVELEY	
	iii.	CDTS			ESCORTS	
	iv.	SEAT & BERTH			SUTLEJ	
	v.	BODY SIDE DOORS			JBM	
	vi.	SALOON COMPTT DOORS			KALSI	
	vii.	VESTIBULE SLIDING DOOR			KALSI	
	viii.	WATER TANKS			SHIVALIK, E C BLADES	
	ix	UIC VESTIBULE			CEMCON	
	x	LUGGAGE RACK			RAIL TECH	
	XI	FLOOR BOARD			TAYAL	
	XII	PVC			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			
			4020	NR	LWSCZAC	143178	18-08-2014			
12.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	146711				146712			
	ii.	Frame No.	FIAT-3371				FIAT-3245			
	iii.	Bolster No.	4051-P				4084-VT			
	iv.	Axle No.	129679/986		129220/992		RWF-110501		W-4548	
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	915.00	915.00	915.00	915.00
	vi.	Wheel Disc No.	288-11610	170-10568	315-11605	311-11610	126-11605	175-11600	186-10579	230-10570
	vii.	R.B. Nos.	00618	36505	00126	00373	00328	34308	00287	34396
	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	
i.	Make & nos.	G-12-5-934	G-12-5-1879	G-12-5-1133	G-12-5-1894	1126G-12-5-	G-12-5-1858	G-12-5-913	G-12-5-1988	
ii.	Ht. attest load	509	468	511	467	510	468	512	468	
iii.	Align .deviation	6	19	6	19	3	18	4	21	
12.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			G-13-3		G-13-3		GF	
	ii.	Primary inner Spring			G-05-12		G-05-12		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							SGA	
	x.	Lateral Bump stop							MTC	
	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							EMSON	
	xviii.	Ball joint roll link							SARITA	
	xix.	Fork make							EMSON	
12.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				

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