



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5060	DISPATCH DATE				17.10.2015
2.	Railway	ER	Type	LWSCN1	Coach No.	15221	
3.	Booked to		SSE/C&W/SPJ				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	NEROLAC	90/91		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i	BRAKE EQUIPMENT	KBI				
	ii	SEAT & BERTH	SAVITRI				
	iii	BODY SIDE DOORS	JBM				
	iv	WATER TANKS	E C BLADES, MANOJ & SHIVALIK				
	v	FLOOR BOARD	TAYAL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	ESCORTS				
	viii	VESTIBULE SLIDING DOOR	KALSI				
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			
			5060	ER	LSCN	15221/C	29-09-2015			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156454				156465			
	ii.	Frame No.	FIAT-4073				FIAT-3968			
	iii.	Bolster No.	4815-VT				4835-P			
	iv.	Axle No.	127059/476	128493/983	128230/991	125998/475				
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	915.00	915.00	916.00	916.00
	vi.	Wheel Disc No.	6229-00184	06149-00083	6229-00149	6197-00071	6198-00087	6149-00056	6198-00200	6232-00056
	vii.	R.B. Nos.	30905	34327	34666	34184	02782	30520	34161	30251
	viii.	R.B. Make	SKF		SKF		SKF		SKF	
	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-14-1-708	DN-14-1-288	DN-14-1-414	DN-13-12-32	DN-14-11-1177	DN-14-5-603	DN-14-11-1136	DN-14-5-606	
ii.	Ht. at test load	514	469	512	469	514	469	514	472	
iii.	Align .deviation	13	16	14	20	13	12	12	13	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	G-14-11		G-14-11		GF			
	ii.	Primary inner Spring	G-14-12		G-14-12		GF			
	iii.	Primary Damper	26196,26182,26177,25678		25536,25488,26162,25485		KONI			
	iv.	Secondary damper	1239,1221		1309,1304		KONI			
	v.	Lateral Damper	388		579		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	1047/691,1065/691,1048/691,1066/691		1631/691,1693/691,1630/691,1603/691		KBI			
	viii.	Brake Disc					FTI			
	ix.	Ball joint Control arm					MGN,GMT			
	x.	Lateral Bump stop					GMT,MGN			
	xi.	Traction center make					SARITA			
	xii.	Traction lever make					SARITA			
	xiii.	Ball joint traction lever					GMT,MGN			
	xiv.	Traction centre elastic					GMT,MGN			
	xv.	Secondary rubber pad					TESPAK			
	xvi.	Rubber spring					BHAM			
	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					

LSCN-5060