



ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5023	DISPATCH DATE				30.11.2015
2.	Railway	ECR	Type	LWCBAC	Coach No.		15804
3.	Booked to			SSE/C&W/SPJ			
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		1100	1102	
	v)	Buffer/CBC (Make)	FAIVELEY		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	NEROLAC	78/80		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
	i.	BRAKE EQUIPMENT				KBI	
	ii.	CDTS/ BIO TOILET				SIL	
	iii.	SEATS/ BERTHS				AAR KAY FOAMS	
	iv.	BODY SIDE DOOR				JBM	
	v.	VESTIBULE SLIDING DOOR				KALSI	
	vi.	SALOON DOOR				HANSPAL	
	vii.	WATER TANKS				E C BLADES, SHIVALIK	
	viii.	UIC VESTIBULE				SUNCREAST	
	ix	FLOOR BOARD				TAYAL	
	X	PVC				RESPONSIVE	
	Xi	LP SHEET				NA	
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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Rail Coach Factory , Kapurthala

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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5023	ECR	LACCW	15804	23-10-2015			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156791				156792			
	ii.	Frame No.	VS-22				VS-23			
	iii.	Bolster No.	5190-P				5188-P			
	iv.	Axle No.	125642/377	128315/991	126169/471	127871/987				
	v.	Wheel Dia.	915.00	915.00	915.00	915.00	915.00	915.00	915.00	915.00
	vi.	Wheel Disc No.	6198-00086	07172-00139	6219-00122	07172-00140	06207-00155	6207-00162	6225-00025	6207-00178
	vii.	R.B. Nos.	30687	33961	29452	33971	22234	30424	22217	33966
	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-12-5-1470	DN-12-10-1700	DN-12-5-1477	DN-12-09-1656	DN-12-5-1426	DN-12-10-1739	DN-12-5-1571	DN-12-10-1681	
ii.	Ht. at test load	509	466	509	465	505	466	507	465	
iii.	Align .deviation	17	14	19	16	16	14	19	17	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	RSK-14-5		RSK-14-5		RSK			
	ii.	Primary inner Spring	G-12-6		G-12-6		GF			
	iii.	Primary Damper	26509,26546,26548,26523		26520,26521,26504,26524		KONI			
	iv.	Secondary damper	5283,6109		5621,4986		KONI			
	v.	Lateral Damper	219		56		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	1786/691,1861/691,1779/691,1790/691		1778/691,1858/691,1780/691,1863/691		KBI			
	viii.	Brake Disc					KBI			
	ix.	Ball joint Control arm					MGN,GMT			
	x.	Lateral Bump stop					MGN			
	xi.	Traction center make					EMSON			
	xii.	Traction lever make					SARITA			
	xiii.	Ball joint traction lever					GMT,MGN			
	xiv.	Traction centre elastic					GMT			
	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							

LWCBAC-5023