



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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**ROLLING STOCK CERTIFICATE**

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4008	DISPATCH DATE			28.11.2014	
2.	Railway	NER	Type	LWFAC	Coach No.	14017	
3.	Booked to		SSE/C&W/GKP				
4.	Tare Weight of Coach		43.6 T				
5.	Carrying Capacity	Seating	24	Sleeping	24	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	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 <sup>2</sup>		6 –10 sec	6 Sec	
			Max Pressure in BC		3.00 ± 0.15 Kg/cm <sup>2</sup>	3.00	
			All Brake are applied		OK	OK	
7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm <sup>2</sup> /min		No brake application	OK	
7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm <sup>2</sup> /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT		MAKE	AVERAGE GLOSS VALUE	
8.1	PAINT		PU PAINT		VIBGYOR	88/88	
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					RAIL TECH	
iii.	SEATS/ BERTHS					AAR KAY FOAMS	
iv.	BODY SIDE DOOR					JBM	
v.	VESTIBULE SLIDING DOOR					KALSI	
vi.	SALOON DOOR					JBM	
vii.	WATER TANKS					SHIVALIK, KUTEER	
viii.	UIC VESTIBULE					CEMCON	
ix	FLOOR BOARD					TAYAL	
x	PVC FLOORING					RESPONSIVE	
10.							
i	Modification / Trail (if any):						NIL
ii	Deviations if any:						NIL



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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			4008		NER		LWFAC		14017		27-09-2014	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	146829						146830			
	ii.	Frame No.	FIAT-3431						FIAT-3458			
	iii.	Bolster No.	4231-VT						4213-VT			
	iv.	Axle No.	128346/991			106041/631			106016/631		106471/628	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	917.00	917.00		
	vi.	Wheel Disc No.	218-10533	203-11600	140-10559	086-61077	338-10559	131-11611	202-10583	128-10582		
	vii.	R.B. Nos.	32073	32104	32081	32083	28033	36460	37047	37724		
	viii.	R.B. Make	SKF			SKF			SKF		SKF	
	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-12-4-1017	G-12-4-1752	G-12-4-921	G-12-4-1740	G-12-4-922	G-12-4-1746	G-12-4-1077	G-12-4-1776			
ii.	Ht. attest load	510	468	510	467	511	467	510	467			
iii.	Align .deviation	3	21	4	20	3	13	3	27			
12.3	Items traceability:											
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring			G-12-6		G-12-6		GF			
	ii.	Primary inner Spring			G-12-6		G-12-6		GF			
	iii.	Primary Damper							SACHS			
	iv.	Secondary damper							SACHS			
	v.	Lateral Damper							KONI			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							KBI			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							GMT			
	x.	Lateral Bump stop							GMT			
	xi.	Traction center make							EMSON			
	xii.	Traction lever make							EMSON,SARITA			
	xiii.	Ball joint traction lever							GMT,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							EMSON			
12.4	i.	Modification / Trial (if any):							NIL			
	ii.	Deviations (if any):							NIL			

LWFAC-4008