



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4007	DISPATCH DATE				31.10.2014
2.	Railway	NER	Type	LWFAC	Coach No.	14016	
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 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	87.6/89		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT					FAIVELEY	
ii.	CDTS/ BIO TOILET					M K PRECISION	
iii.	SEATS/ BERTHS					AAR KAY FOAMS	
iv.	BODY SIDE DOOR					JBM	
v.	VESTIBULE SLIDING DOOR					JBM	
vi.	SALOON DOOR					JBM	
vii.	WATER TANKS					SHIVALIK, KUTEER	
viii.	UIC VESTIBULE					KRP/ 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	
			4007		NER		LWFAC		14016		13-09-2014	
12.1	Wheel & Axle Details:		PP Side					NPP Side				
	i.	Bogie No.	146792					146791				
	ii.	Frame No.	FIAT-3378					FIAT-3438				
	iii.	Bolster No.	4079-VT					4073-VT				
	iv.	Axle No.	129371/982		106009/631			106242/629		128017/988		
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	vi.	Wheel Disc No.	004-10559	220-11603	339-11603	075-11603	294-11603	324-11603	274-11611	193-11603		
	vii.	R.B. Nos.	36537	37858	36481	36474	36448	36969	27987	36174		
	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	Outer	Inner	
i.	Make & nos.		G-05-12-980	G-05-12-2047	G-05-12-963	G-05-12-2079	G-05-12-982	G-05-12-2084	G-05-12-979	G-05-12-2069		
ii.	Ht. attest load		511	466	511	465	511	466	512	467		
iii.	Align .deviation		2	15	3	17	3	21	5	23		
12.3	Items traceability:											
	S no.	Item				PP Side Bogie		NPP side Bogie		Make		
	i.	Primary Outer Spring				G-06-12		G-06-12		GF		
	ii.	Primary inner Spring				G-05-12		G-05-12		GF		
	iii.	Primary Damper								SACHS		
	iv.	Secondary damper								SACHS		
	v.	Lateral Damper								KONI		
	vi.	Yaw Damper								NIL		
	vii.	Brake cylinder & Caliper								FTI		
	viii.	Brake Disc								KBI		
	ix.	Ball joint Control arm								GMT		
	x.	Lateral Bump stop								GMT		
	xi.	Traction center make								SARITA		
	xii.	Traction lever make								SARITA		
	xiii.	Ball joint traction lever								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					