



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5012	DISPATCH DATE				21.12.2015
2.	Railway	ECOR	Type	LWFAC	Coach No.	16001	
3.	Booked to		SSE/C&W/ PUI				
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		1096	1102	
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		NEROLAC	89/88	
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				AMIT		
iii.	SEATS/ BERTHS				AAR KAY FOAMS		
iv.	BODY SIDE DOOR				JBM, SUKATA		
v.	VESTIBULE SLIDING DOOR				KALSI		
vi.	SALOON DOOR				KALSI		
vii.	WATER TANKS				KUTEER, SHIVALIK		
viii.	UIC VESTIBULE				SUNCREAST		
ix	FLOOR BOARD				TAYAL		
x	PVC FLOORING				RESPONSIVE		
10.							
i	Modification / Trail (if any):		NIL				
ii	Deviations if any:		NIL				



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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5012	ECOR1600 1/C	LWFAC	16001	05-11-2015			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156841				156842			
	ii.	Frame No.	FIAT-4279				FIAT-4338			
	iii.	Bolster No.	5225-P				5189-P			
	iv.	Axle No.	128320/991	126312/479	129145/992	125915/477				
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	915.50	915.50	917.00	917.00
	vi.	Wheel Disc No.	06213-00110	6228-00054	6222-000163	6222-00096	6228-00110	6228-00173	06222-00098	6211-00101
	vii.	R.B. Nos.	34670	35269	35026	35059	38522	38494	30514	03157
	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.	CMAFJ-15-5-3	G-12-8-3584	CMAFJ-15-5-1	G-12-8-3616	CMAFJ-15-5-6	G-12-8-3625	CMAFJ-15-5-46	G-12-8-3555	
ii.	Ht. at test load	511	467	511	466	507	466	508	467	
iii.	Align .deviation	10	22	10	23	7	7	7	12	
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		25134,25159,25226,25213		25382,25437,25210,25445		KONI		
	iv.	Secondary damper		1084,8647		807,824		GEREP		
	v.	Lateral Damper		123		63		GEREP		
	vi.	Yaw Damper						NIL		
	vii.	Brake cylinder & Caliper		1653-691,1691/691,1652/691,1690/691		1812/691,1855/691,1813/691,1854/691		KBI		
	viii.	Brake Disc						KBI		
	ix.	Ball joint Control arm						GMT		
	x.	Lateral Bump stop						MGN		
	xi.	Traction center make						SARITA		
	xii.	Traction lever make						SARITA		
	xiii.	Ball joint traction lever						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, EMSON		
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				

LWFAC5012