



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6002	DISPATCH DATE				21.03. 17
2.	Railway	NR	Type	LWFAC	Coach No.	163009	
3.	Booked to	SSE/C&W/DLI					
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)	CBC Height	Specified : 1105 +0 /-15 mm		1105	1105		
v)	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		3.00 ± 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	87/88		
8.2	APPLICATION OF PCN-123	SATISFACTORY					
8.3	INSUALTION	SATISFACTORY					
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT					FAIVELEY	
ii.	BIO TOILET					RAIL FAB/JSL	
iii.	SEATS/ BERTHS					AAR KAY FOAMS	
iv.	BODY SIDE DOOR					JBM	
v.	VESTIBULE SLIDING DOOR					JBM	
vi.	SALOON DOOR					JBM	
vii.	WATER TANKS					(AUX)SHIVALIK,MANOJ,AMIT (U/S)AMIT	
viii.	UIC VESTIBULE					SSIPL	
ix.	FLOOR BOARD					TAYAL	
x.	PVC FLOORING					RESPONSIVE	
10.							
i.	Modification / Trail (if any):					NIL	
ii.	Deviations if any:					NIL	



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6002	NR	LWFAC	163009/C	09-11-2016			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	166998				166999			
	ii.	Frame No.	FM-680				FM-657			
	iii.	Bolster No.	6367-P				6393-P			
	iv.	Axle No.	K-6093		N-0462		N-0367		K-2853	
	v.	Wheel Dia.	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	02098-6QG6	05702-6QM6	02750-5VJ6	02572-5VJ6	03326-6QL4	03327-6QL4	02272-6QG7	03328-6QL4
	vii.	R.B. Nos.	05448	06202	05209	03374	05597	05504	05152	05480
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	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.	RSK-15-11-559	RSK-16-3-767	RSK-15-11-878	RSK-16-3-725	RSK-15-11-01	RSK-16-3-1096	RSK-15-11-1114	RSK-16-3-763	
ii.	Ht. at test load	510	466	512	467	511	468	512	466	
iii.	Align .deviation	18	31	19	32	14	37	16	39	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring	RSK-15-5			RSK-15-5			RSK	
	ii.	Primary inner Spring	RSK-16-6			RSK-16-6			RSK	
	iii.	Primary Damper	4061,4072,3831,3983			3825,4042,4285,4058			KNORR	
	iv.	Secondary damper	0602,0789			0765,0665			SV	
	v.	Lateral Damper	0571			0152			SV	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper	G16182/600,G16181/600 G16179/600,G16176/600			K16054/600,K16072/600 K16055/600,K16073/600			FTI	
	viii.	Brake Disc							FTI	
	ix.	Ball joint Control arm							MGN	
	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							TECSPACK	
	xvi.	Rubber spring							GMT	
	xvii.	Anti roll bar make							SARITA	
	xviii.	Ball joint roll link							SARITA	
	xix.	Fork make							EMSON	
11.4	i.	Modification / Trial (if any):	NIL							
	ii.	Deviations (if any):	NIL							

LWFAC-6002



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala