



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	3073	DISPATCH DATE			28.8.2014	
	Railway	NR	Type	LWACCW	Coach No.	143061	
3.	Booked to	SSE/C&W/NDLS					
4.	Tare Weight of Coach	52					
5.	Carrying Capacity	Seating	52	Sleeping	52	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	VIBGYOR	88/89			
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					MOHAN	
iv.	BODY SIDE DOOR					JBM	
v.	VESTIBULE SLIDING DOOR					KALSI & JBM	
vi.	COMPTT.DOOR					SUKATA	
vii.	WATER TANKS					AMIT	
viii.	UIC VESTIBULE					KRP	
ix	FLOOR BOARD					TAYAL	
X	PVC					RESPONSIVE	
Xi	LP SHEET					KAE	
xii							
10	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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12.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			3073		NR		LWACCW		143061		03-5-14	
12.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	146363						146374			
	ii.	Frame No.	FIAT-2377						FIAT-3080			
	iii.	Bolster No.	100-HEI						114-HEI			
	iv.	Axle No.	RWF-110131			W-4542			RWF-109704		RWF-109456	
	v.	Wheel Dia.	917.00	916.50	917.00	917.00	917.00	917.50	916.50	917.00		
	vi.	Wheel Disc No.	141-48028	075-51912	087-51916	160-51912	066-51916	178-51910	327-50846	189-50842		
	vii.	R.B. Nos.	40985	91530	92134	91518	12409	12392	91498	12278		
	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.	DN-3-12-3240	G-4-13-5290	DN-3-12-3272	G-4-13-5215	DN-12-9-25	G-12-36-92	DN-12-N-27-25	G-12-8			
ii.	Ht. attest load	507	466	509	464	508	466	506	465			
iii.	Align .deviation	19	13	17	15	17	22	19	24			
12.3	Items traceability:											
	S no.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-13-03			G-13-03			GF	
	ii.	Primary inner Spring			L&S-05-12			L&S-05-12			L&S	
	iii.	Primary Damper									GEREP	
	iv.	Secondary damper									GEREP	
	v.	Lateral Damper									SACHS	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper									KBI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									SGA	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT	
	xiv.	Traction centre elastic									GMT	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									SARITA	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									SARITA	
12.4	i.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					

LWACCW-3073



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4008	DISPATCH DATE			27.8.2014	
2.	Railway	NR	Type	LWACCW	Coach No.	143062	
3.	Booked to	SSE/C&W/NDLS					
4.	Tare Weight of Coach	52					
5.	Carrying Capacity	Seating	52	Sleeping	52	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		VIBGYOR	88/90	
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				MOHAN		
iv.	BODY SIDE DOOR				JBM		
v.	VESTIBULE SLIDING DOOR				KALSI		
vi.	COMPTT.DOOR				SUKATA		
vii.	WATER TANKS				AMIT & SHIVALIK		
viii.	UIC VESTIBULE				KRP		
ix	FLOOR BOARD,PVC				TAYAL,RESPONSIVE		
xi	LP SHEET				KAE		
10	1	Modification / Trail (if any):			NIL		
	2	Deviations if any:			NIL		



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Shell No.:- 4008

Date: 01-04-2014

RLY	NR	Type	LACCW	Coach No.	143062/C
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6.0 Wheel & Axle details:

Items	PP Side				Non PP Side			
Bogie No.	146288				146289			
Frame No.	FIAT-2397				FIAT-2736			
Bolster No.	3537-P				086/GT/ASR			
Axle No.	RWF-110522		RWF-110275		R-3179		RWF-110177	
Wheel Diameter	918.00	918.00	918.00	918.00	918.00	918.00	918.00	918.00
Wheel Disc No.	221-51908	294-50843	277-51916	346-50796	010-51777	032-51777	002-51912	064-51916
R.B. Nos.	04641	04598	03652	03538	03787	03404	03783	03584
R. B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
RB Type	CARTRIDGE TAPER ROLLER BEARING							

6.1 Secondary suspension load deflection Values:

Description	Bogie PP side				Bogie NPP side			
	Secondary 1		Secondary 2		Secondary 1		Secondary 2	
	Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
Make & nos.	RSK-3-13-015	RSK-3-13-036	RSK-3-13-034	RSK-3-13-051	RSK-3-13-003	RSK-3-13-005	RSK-3-13-001	RSK-3-13-015
Ht. Attest Load	509	467	512	467	512	466	509	468
Align. deviation	15	39	13	37	21	29	18	25

6.2 Component traceability:

SNO	ITEM	PP Side Bogie	NPP side Bogie	Make
1	Primary Outer Spring batch no.	RSK-3-13	RSK-3-13	RSK
2	Primary inner Spring batch no	RSK-3-13	RSK-3-13	RSK
3	Primary Damper			SV
4	Secondary damper			SACHS
5	Lateral Damper			KONI
6	Brake cylinder & Caliper	H-4688/691,H-5407/691, H-4687/691,H-5448/691	H-6481/691,H-5445/691, H-6478/691,H-5442/691	KBI
7	Brake Disc			KBI
8	Ball joint Control arm			SGA
9	Lateral Bump stop			GMT
10	Traction center make			SARITA
11	Traction lever make			SARITA
12	Ball joint traction lever			GMT
13	Ball joint Traction centre			SGA
14	Secondary rubber pad			TESPAK
15	Rubber spring			GMT
16	Anti roll bar make			SARITA
17	Roll link make			SARITA
18	Fork make			EMSON

LWACCW-4008