



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5020	DISPATCH DATE				20.08.2015
2.	Railway	NR	Type	LWACCW	Coach No.	153077	
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 )	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 <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	ADVANCE	87/89		
	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	AIR FLOW				
	iii.	SEATS/ BERTHS	AMIR CHAND				
	iv.	BODY SIDE DOOR	SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	COMPTT.DOOR	KALSI				
	vii.	WATER TANKS	MANOJ, SHIVALIK & E C BLADES				
	viii.	UIC VESTIBULE	ELASTOMER				
	ix	FLOOR BOARD	TAYAL				
	X	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



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12.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5020		NR		LACCW		153077/C		02-07-2015	
12.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	156412						156414			
	ii.	<b>Frame No.</b>	FIAT-3502						FIAT-4069			
	iii.	<b>Bolster No.</b>	4582-GT						4790-VT			
	iv.	<b>Axle No.</b>	A-3006			C-4089			B-9717		A-2893	
	v.	<b>Wheel Dia.</b>	910.00	910.00	913.00	913.00	910.00	910.00	910.00	910.00		
	vi.	<b>Wheel Disc No.</b>	247-10582	291-63307	170-63309	381-63309	269-10566	028-11605	161-62314	275-11608		
	vii.	<b>R.B. Nos.</b>	01201	01440	04149	35979	04114	04315	04331	03613		
	viii.	<b>R.B. Make</b>	TIMKEN			TIMKEN			TIMKEN		TIMKEN	
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
12.2	<b>Secondary suspension load deflection Values:</b>											
<b>Description</b>		<b>Secondary 1</b>		<b>Secondary 2</b>		<b>Secondary 1</b>		<b>Secondary 2</b>				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	<b>Make &amp; nos.</b>	CIAFJ-14-09-47	CIAFJ-14-05-14	CIAFJ-14-09-3	CIAFJ-14-05-7	CIAFJ-14-09-91	CIAFJ-14-05-01	CIAFJ-14-09-87	CIAFJ-14-05-43			
ii.	<b>Ht. at test load</b>	508	464	512	468	507	468	508	468			
iii.	<b>Align .deviation</b>	15	18	17	18	10	7	10	10			
12.3	<b>Items traceability:</b>											
	<b>Sno.</b>	<b>Item</b>			<b>PP Side Bogie</b>			<b>NPP side Bogie</b>			<b>Make</b>	
	i.	Primary Outer Spring			G-13-3			G-12-6			GF	
	ii.	Primary inner Spring			G-12-5			G-12-5			GF	
	iii.	Primary Damper			24401,24432,24496,24416			24587,24368,24410,24575			KONI	
	iv.	Secondary damper			4269,4837			4181,4671			KONI	
	v.	Lateral Damper			2843			2950			KONI	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			D15040/600,D15021/600, E15018/600,E15023/600			E15008/600,E15032/600,E 15009/600,E15005/600			FTI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									GMT,MGN	
	xiv.	Traction centre elastic									GMT	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									BATEGU	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									SARITA	
12.4	i.	Modification / Trial (if any):			NIL							
	ii.	Deviations (if any):			LESS WHEEL DIA							

LWACCW-5020

