



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	4016	DISPATCH DATE				12.11.2014
2.	Railway	SWR	Type	LWCBAC	Coach No.	14804	
3.	Booked to	SSE/C&W/SBC					
4.	Tare Weight of Coach	40.9 T					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	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	1100	1102		
	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	3.80 ± 0.15 Kg/cm <sup>2</sup>	3.80		
			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	NEROLAC	87		
	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	AIR FLOW				
	iii.	SEATS/ BERTHS	AMIR CHAND				
	iv.	BODY SIDE DOOR	JBM				
	v.	VESTIBULE SLIDING DOOR	JBM				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	AMIT , SHIVALIK, KUTEER				
	viii.	UIC VESTIBULE	KRP				
	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>			
		4016	SWR	LWCBAC	14804/C	13-06-14			
12.1	<b>Wheel &amp; Axle Details:</b>	<b>PP Side</b>				<b>NPP Side</b>			
	i. <b>Bogie No.</b>	146522				146523			
	ii. <b>Frame No.</b>	FIAT-2990				FIAT-2900			
	iii. <b>Bolster No.</b>	3730-P				3665-GT			
	iv. <b>Axle No.</b>	Z-3128		Z-3380		Z-3312		Z-3921	
	v. <b>Wheel Dia.</b>	915.50	915.00	915.00	915.50	915.00	915.00	915.00	915.00
	vi. <b>Wheel Disc No.</b>	001-10559	307-10533	012-10570	314-10559	258-10568	028-61077	208-63301	281-10533
	vii. <b>R.B. Nos.</b>	34464	34189	00222	34493	00161	34356	34204	34404
	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>	
		<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>	<b>Outer</b>	<b>Inner</b>
i.	<b>Make &amp; nos.</b>	BPS-2013-13	BPS-2013-95	BPS-2013-20	BPS-2013-80	BPS-2013-09	BPS-2013-025	BPS-2013-32	BPS-2013-136
ii.	<b>Ht. attest load</b>	507	467	507	468	510	167	507	467
iii.	<b>Align .deviation</b>	4	27	5	25	15	29	12	31
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	BPS-2013		BPS-2013		BPS		
	ii.	Primary inner Spring	BPS-2013		BPS-2013		BPS		
	iii.	Primary Damper					KONI		
	iv.	Secondary damper					SACHS		
	v.	Lateral Damper					GEREP		
	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					SGA		
	xv.	Secondary rubber pad					TESPAK		
	xvi.	Rubber spring					GMT		
	xvii.	Anti roll bar make					SARITA		
	xviii.	Ball joint roll link					SARITA		
	xix.	Fork make					EMSON		
12.4	i.	Modification / Trial (if any):					NIL		
	ii.	Deviations (if any):					NIL		