



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5043	DISPATCH DATE				24.02.2016	
2.	Railway	SER	Type	LWCBAC	Coach No.		158805	
3.	Booked to			SSE/C&W/SRC				
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		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 <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		VIBGYOR		87/88
	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		RAIL TECH				
	iii.	SEATS/ BERTHS		AMIR CHAND				
	iv.	BODY SIDE DOOR		JBM				
	v.	VESTIBULE SLIDING DOOR		KALSI				
	vi.	SALOON DOOR		HANSPAL				
	vii.	WATER TANKS		E C BLADES, SHIVALIK,KUTEER, MANOJ				
	viii.	UIC VESTIBULE		ESCORTS				
	ix	FLOOR BOARD		NARBADA				
	X	PVC		RESPONSIVE				
	Xi	LP SHEET						
10.								
	10.1	Modification / Trail (if any):				NIL		
	10.2	Deviations if any:				NIL		



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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5043		SER		LWCBAC		158805		22-12-2015	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	156996						156997			
	ii.	<b>Frame No.</b>	FIAT-4527						FIAT-4489			
	iii.	<b>Bolster No.</b>	5357-P						5291-P			
	iv.	<b>Axle No.</b>	126548/487		126445/481		130105/986		126406/474			
	v.	<b>Wheel Dia.</b>	916.00	916.00	915.50	916.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	<b>Wheel Disc No.</b>	06228-00074	6207-00048	7282-00148	6227-00155	7290-00055	07297-00187	06230-00061	06230-00019	06230-00019	06230-00019
	vii.	<b>R.B. Nos.</b>	02676	02255	02688	01785	04100	02931	03950	03512	03512	03512
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	<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>		DN-12-5-1479	DN-12-6-1510	DN-12-5-1469	DN-12-6-1512	DN-12-5-1425	DN-12-6-1473	DN-12-5-1600	DN-12-6-1469		
ii.	<b>Ht. at test load</b>		505	464	503	462	507	464	507	466		
iii.	<b>Align .deviation</b>		11	4	15	4	20	3	22	3		
11.3	<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			L&S-13-3			L&S-13-3			L&S	
	ii.	Primary inner Spring			L&S-13-2			L&S-13-2			L&S	
	iii.	Primary Damper			1438,1210,1209,1516			1080,1235,1225,1246			GEREP	
	iv.	Secondary damper			1378,1549			1532,1379			GEREP	
	v.	Lateral Damper			33			280			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			M15120/600,M15106/600 M15119/600,M15104/600			L15136/600,L15148/600 L15137/600,L15120/600			FTI	
	viii.	Brake Disc									FTI,KBI	
	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									SGA	
	xiv.	Traction centre elastic									GMT,SGA	
	xv.	Secondary rubber pad									WINLANE	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON	
11.4	i.	<b>Modification / Trial (if any):</b>						NIL				
	ii.	<b>Deviations (if any):</b>						NIL				

LWCBAC-5043