



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5021	DISPATCH DATE				18.12.2015
2.	Railway	WR	Type	LWSCZAC	Coach No.	15156	
3.	Booked to	SSE/C&W/BCT/M					
4.	Tare Weight of Coach	40.28 T					
5.	Carrying Capacity	Seating	78	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		1105	1105		
v)	Buffer/CBC (Make )	ESCORTS		Fiba Device	NA		
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	APEX	89/87			
8.2	APPLICATION OF PCN-123	SATISFACTORY					
8.3	INSUALTION	SATISFACTORY					
9.	Traceability of Furnishing Items:				Make		
i.	BRAKE EQUIPMENT			FAIVELEY			
iii.	CDTS			AIR FLOW			
iv.	SEAT & BERTH			SUTLEJ			
v.	BODY SIDE DOORS			JBM			
vi.	SALOON COMPTT DOORS			KALSI			
vii.	VESTIBULE SLIDING DOOR			KALSI			
viii.	WATER TANKS			KUTEER, MANOJ			
ix	UIC VESTIBULE			SUNCREAST			
x	LUGGAGE RACK			HUNSPAL			
XI	FLOOR BOARD			TAYAL			
XII	PVC			RESPONSIVE			
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>	
			5021		WR		LWSCZAC		15156/C		18-11-2015	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>						<b>NPP Side</b>			
	i.	<b>Bogie No.</b>	156723						156879			
	ii.	<b>Frame No.</b>	FIAT-4261						SCI/FM-257			
	iii.	<b>Bolster No.</b>	5076-GT						5065-GT			
	iv.	<b>Axle No.</b>	C-4716			128779/990			C-3996		126528/481	
	v.	<b>Wheel Dia.</b>	915.50	915.00	915.50	915.00	915.00	915.00	915.50	915.00	915.50	915.00
	vi.	<b>Wheel Disc No.</b>	7166-00146	7166-00078	7150-00139	6222-00054	7166-00109	6222-00043	7166-00123	7166-00068	7166-00123	7166-00068
	vii.	<b>R.B. Nos.</b>	05306	38899	05723	05717	06830	03652	05318	05320	05318	05320
	viii.	<b>R.B. Make</b>	SKF			SKF			SKF		SKF	
	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>			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	<b>Make &amp; nos.</b>	DN-12-5-1628	DN-12-6-1414	DN-12-5-1570	DN-12-6-1397	DN-12-6-1543	DN-12-6-1499	DN-12-6-1528	DN-12-6-1506			
ii.	<b>Ht. at test load</b>	507	467	508	462	512	467	510	465			
iii.	<b>Align .deviation</b>	21	5	23	7	20	7	20	7			
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			RSK-14-5			RSK-14-5			RSK	
	ii.	Primary inner Spring			G-12-6			G-12-6			GF	
	iii.	Primary Damper			0188,0101,0088,0112			0094,0144,0099,0098			KNORR	
	iv.	Secondary damper			077,0153			0028,0121			KNORR	
	v.	Lateral Damper			00084			00066			KNORR	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			15060/600,15032/600,15063/600,15038/600			15044/600,15145/600,15042/600,15140/600			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									GMT,MGN	
	xiv.	Traction centre elastic									SGA	
	xv.	Secondary rubber pad									TESPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									SARITA,EM SON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									SARITA,	
11.4	i.	<b>Modification / Trial (if any):</b>						NIL				
	ii.	<b>Deviations (if any):</b>						NIL				

LWSCZAC5021