



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5017	DISPATCH DATE				05.12.2015
2.	Railway	NCR	Type	LWSCZAC	Coach No.	15176	
3.	Booked to	SSE/C&W/CNB					
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	1104	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	85/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT		KBI			
	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		E C BLADES, SHIVALIK			
	ix	UIC VESTIBULE		ESCORTS			
	x	LUGGAGE RACK		RAIL TECH			
	XI	FLOOR BOARD		TAYAL			
	XII	PVC		RESPONSIVE			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		

रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5017		NC		LWSCZAC		15176/C		16-10-2015	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	156732					156736				
	ii.	<b>Frame No.</b>	FIAT-4325					FIAT-4330				
	iii.	<b>Bolster No.</b>	5091-P					5149-GT				
	iv.	<b>Axle No.</b>	Z-3430		128386/991		129171/992		129213/992			
	v.	<b>Wheel Dia.</b>	917.00	917.00	917.00	917.00	917.00	917.50	917.00	917.00		
	vi.	<b>Wheel Disc No.</b>	6192-00202	6192-00183	6225-00047	9166-00168	7166-00033	7166-00166	7166-00024	7166-00077		
	vii.	<b>R.B. Nos.</b>	34665	35335	01142	21339	01126	30044	30054	30031		
	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>				
		<b>Outer</b>	<b>Inner</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-12-10-2377	DN-12-10-164	DN-12-10-2390	DN-12-10-1667	DN-12-6-1437	DN-12-12-1609	DN-12-9-2013	DN-12-9-1639			
ii.	<b>Ht. at test load</b>	507	468	505	468	505	467	504	466			
iii.	<b>Align .deviation</b>	19	15	22	15	14	13	17	17			
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			RSK-14-5		RSK-14-5		RSK			
	iii.	Primary Damper			25435,25276,25436,25243		25157,25411,25264,25251		KONI			
	iv.	Secondary damper			5609,5646		5608,6034		KONI			
	v.	Lateral Damper			77		140		GEREP			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper			1615/691,1684/691,1614/691,1686/691		1388/691,1459/691,1386/691,1437/691		KBI			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							GMT			
	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			
	xv.	Secondary rubber pad							TESPAK			
	xvi.	Rubber spring							GMT			
	xvii.	Anti roll bar make							EMSON			
	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					

LWSCZAC-5017