



# 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				14.10.2014
2.	Railway	NER	Type	LS3	Coach No.	14498	
3.	Booked to	SSE/C&W/GKP					
4.	Tare Weight of Coach	40.665 T					
5.	Carrying Capacity	Seating	100	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	GS	86/86		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
I	BRAKE EQUIPMENT			KBI			
li	SEAT & BERTH			AAR KAY FOAMS			
lii	BODY SIDE DOORS			JBM			
lv	WATER TANKS			RUBICON, RAIL FAB			
v	FLOOR BOARD			ORIENTAL			
VI	PVC			RESPONSIVE			
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



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<b>12.</b>	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			4016		NER		LS3		14498		22-09-2014	
<b>12.1</b>	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>				<b>NPP Side</b>					
	i.	<b>Bogie No.</b>	146807				146808					
	ii.	<b>Frame No.</b>	FIAT-3424				FIAT-3442					
	iii.	<b>Bolster No.</b>	177/P/ASR				4206-VT					
	iv.	<b>Axle No.</b>	105745/627		106008/631		105894/627		105986/631			
	v.	<b>Wheel Dia.</b>	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	vi.	<b>Wheel Disc No.</b>	193-10559	259-11605	153-11600	004-10583	350-10559	016-11603	282-11600	190-11600		
	vii.	<b>R.B. Nos.</b>	01256	01594	00809	01376	01319	00822	01020	01324		
	viii.	<b>R.B. Make</b>	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	<b>RB Type</b>	UIC CARTRIDGE TAPER ROLLER BEARING									
<b>12.2</b>	<b>Secondary suspension load deflection Values:</b>											
	<b>Description</b>		Secondary 1		Secondary 2		Secondary 1		Secondary 2			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	<b>Make &amp; nos.</b>		G-14-4-222	G-14-4-392	G-14-4-229	G-14-4-347	G-14-4-218	G-14-4-348	G-14-4-213	G-14-4-394		
ii.	<b>Ht. attest load</b>		514	470	512	469	512	467	513	468		
iii.	<b>Align .deviation</b>		5	13	7	14	4	13	4	12		
<b>12.3</b>	<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-13-11		G-13-11		GF			
	ii.	Primary inner Spring			G-13-11		G-13-11		GF			
	iii.	Primary Damper							SACHS			
	iv.	Secondary damper							GEREP			
	v.	Lateral Damper							KONI			
	vi.	Yaw Damper							NIL			
	vii.	Brake cylinder & Caliper							KBI			
	viii.	Brake Disc							KBI			
	ix.	Ball joint Control arm							GMT			
	x.	Lateral Bump stop							MTC/GMT			
	xi.	Traction center make							SARITA			
	xii.	Traction lever make							SARITA			
	xiii.	Ball joint traction lever							GMT/SGA			
	xiv.	Traction centre elastic							MTC/SGA			
	xv.	Secondary rubber pad							TESPAK			
	xvi.	Rubber spring							MTC			
	xvii.	Anti roll bar make							EMSON			
	xviii.	Ball joint roll link							SARITA			
	xix.	Fork make							SARITA			
12.4	i.	<b>Modification / Trial (if any):</b>					NIL					
	ii.	<b>Deviations (if any):</b>					NIL					