



रेल डिब्बा कारखाना, कपूरथला  
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6001	DISPATCH DATE				14.07.2016
2.	Railway	ER	Type	LWACCW	Coach No.	16056	
3.	Booked to		SSE/C&W/HWH				
4.	Tare Weight of Coach		52				
5.	Carrying Capacity	Seating	52	Sleeping	52	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 )		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		3.00 ± 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	87/85	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:				Make		
i.	BRAKE EQUIPMENT				KBI		
ii.	BIO TOILET				M.K.PRECISION		
iii.	SEATS/ BERTHS				AMIR CHAND		
iv.	BODY SIDE DOOR				JBM		
v.	VESTIBULE SLIDING DOOR				HP		
vi.	COMPTT.DOOR				RT		
vii.	WATER TANKS				AMIT,KUTEER		
viii.	UIC VESTIBULE				ESCORT		
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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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			6001		ER		LWACCW		16056/C		25-02-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166193					166194				
	ii.	<b>Frame No.</b>	FIAT-4545					FIAT-4644				
	iii.	<b>Bolster No.</b>	5518-VT					5555-P				
	iv.	<b>Axle No.</b>	K-3332		128851/990			K-2798		J-8441		
	v.	<b>Wheel Dia.</b>	915.00	915.00	916.50	917.00	915.00	915.00	915.50	916.00		
	vi.	<b>Wheel Disc No.</b>	6206-00179	07301-00057	7290-00114	06229-00036	7290-00080	7222-00158	7290-00081	7222-00120		
	vii.	<b>R.B. Nos.</b>	04822	02799	01209	01319	01329	02587	02007	05337		
	viii.	<b>R.B. Make</b>	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>	RSK-15-5-317	RSK-15-9-211	RSK-15-5-322	RSK-15-9-160	RSK-15-5-357	RSK-15-9-119	RSK-15-5-320	RSK-15-9-029			
ii.	<b>Ht. at test load</b>	511	468	511	467	511	465	510	468			
iii.	<b>Align .deviation</b>	12	31	14	35	21	27	23	29			
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			736,761,753,818			605,747,735,562			GEREP	
	iv.	Secondary damper			1222,1281			1213,1231			GEREP	
	v.	Lateral Damper			L-3676			3503			KONI	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			2034/691,2142/691 2035/691,2141/691			2080/691,2139/691 2081/691,2040/691			KBI	
	viii.	Brake Disc									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									SGA	
	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				

LWACCW 6001



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5043	DISPATCH DATE				30.06.2016
2.	Railway	ER	Type	LWACCW	Coach No.	16055	
3.	Booked to			SSE/C&W/HWH			
4.	Tare Weight of Coach			52			
5.	Carrying Capacity	Seating	52	Sleeping	52	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 )	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	3.00 ± 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	87/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT		FAVELLY			
	ii.	BIO TOILET		RAIL FAB			
	iii.	SEATS/ BERTHS		AMIR CHAND			
	iv.	BODY SIDE DOOR		JBM			
	v.	VESTIBULE SLIDING DOOR		HP			
	vi.	COMPTT.DOOR		RT			
	vii.	WATER TANKS		SHIVALIK,KUTEER,MANOJ			
	viii.	UIC VESTIBULE		ESCORT			
	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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11.	<b>Bogie Details:</b>		<b>Shell No.</b>		<b>Railway</b>		<b>Type</b>		<b>Coach No.</b>		<b>Dispatch Date</b>	
			5043		ER		LWACCW		16055/C		30-04-2016	
11.1	<b>Wheel &amp; Axle Details:</b>		<b>PP Side</b>					<b>NPP Side</b>				
	i.	<b>Bogie No.</b>	166371					166372				
	ii.	<b>Frame No.</b>	FIAT-4275					FIAT-4180				
	iii.	<b>Bolster No.</b>	5746-VT					5733-VT				
	iv.	<b>Axle No.</b>	K-6725		129317/982		126449/481		128121/984			
	v.	<b>Wheel Dia.</b>	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	917.00	
	vi.	<b>Wheel Disc No.</b>	7292-00200	7275-00017	7280-00065	7272-00148	7291-00196	7274-00145	7291-00020	7302-00153		
	vii.	<b>R.B. Nos.</b>	06210	02872	05267	04922	03452	02840	04721	03576		
	viii.	<b>R.B. Make</b>	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-12-5-1614	RSK-15-3-37	DN-12-5-1586	RSK-15-3-054	DN-12-5-1678	RSK-15-3-006	DN-12-5-1420	RSK-15-3-72			
ii.	<b>Ht. at test load</b>	502	466	503	467	502	467	502	466			
iii.	<b>Align .deviation</b>	23	39	20	32	20	37	22	37			
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-15-11			RSK-15-11			RSK	
	ii.	Primary inner Spring			RSK-14-5			RSK-14-5			RSK	
	iii.	Primary Damper			1140,2286,926,1072			1145,1033,1044,1165			GEREP	
	iv.	Secondary damper			17,978			18,808			GEREP	
	v.	Lateral Damper			193			106			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			D20611/600,D16053/600 D16025/600,D16047/600			D16005/600,D16067/600 D16001/600,D16068/600			FTI	
	viii.	Brake Disc									KBI,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									SGA,GMT	
	xiv.	Traction centre elastic									MGN,SGA	
	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					

LWACCW 5043

