



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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रोलिंग स्टॉक प्रमाण-पत्र

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6004	DISPATCH DATE				06.08.2016
2.	Railway	NE	Type	LWLRRM	Coach No.	16851	
3.	Booked to	SSE/C&W/GKP					
4.	Tare Weight of Coach	53.4 T					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	3.9 T
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 ²	6 -10 sec	6 Sec		
			Max Pressure in BC	3.00 ± 0.15 Kg/cm ²	3.00		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	VIB	87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i.	BRAKE EQUIPMENT	KBI				
	iii.	BIO TANK	RAIL FAB				
	iv.	SEATS/S&B	ARR KAYEE				
	v.	BODY SIDE DOOR	JBM,				
	vi.	VESTIBULE SLIDING DOOR	HP				
	vii.	CREW-GEN & GUARD ROOM DOOR	CP/JBM				
	viii.	WATER TANKS	AMIT ,MANOJ				
	ix	FUEL TANK	GAURAV				
	x	UIC VESTIBULE	KRP				
	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.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			6004		NE		LWLRRM		16851		26-07-2016	
11.1	Wheel & Axle Details:		LPC-I PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166645					166646				
	ii.	Frame No.	FIAT-4905					FIAT-4845				
	iii.	Bolster No.	5947-VT					5926-PS				
	iv.	Axle No.	N-6176		N-5710		N-5699		N-6887			
	v.	Wheel Dia.	917.00	917.00	917.0	917.00	917.00	917.00	916.00	916.00		
	vi.	Wheel Disc No.	13352-00187	13350-00220	13352-00061	13353-00011	13350-00238	13352-00226	13352-00300	13350-00122		
	vii.	R.B. Nos.	01969	01103	01955	01185	01458	01126	02209	02205		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	RSK-16-5-196	RSK-16-4-178	RSK-16-5-192	RSK-16-4-176	RSK-16-5-364	DN-16-4-465	RSK-16-5-378	DN-16-4-454			
ii.	Ht. at test load	510	468	508	466	513	469	514	469			
iii.	Align .deviation	19	8	16	8	13	8	14	10			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			RSK-15-11			RSK-15-11			RSK	
	ii.	Primary inner Spring			RSK-16-6			RSK-16-6			RSK	
	iii.	Primary Damper			1815,1818,0521,1509			1804,1655,1810,1647			KNORR	
	iv.	Secondary damper			11,035			033,036			GABRIEL	
	v.	Lateral Damper			014			013			GABRIEL	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			3703/261,K3936/260 3683/261,K3937/260			3682/261,3735/261 3691/261,3734/261			KBI	
	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									MGN	
	xiv.	Traction centre elastic									GMT	
	xv.	Secondary rubber pad									TECSPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									SARITA	
11.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6010	DISPATCH DATE			02.08.2016	
2.	Railway	NE	Type	LWLRRM	Coach No.	16852	
3.	Booked to	SSE/C&W/GKP					
4.	Tare Weight of Coach	53.4 T					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	3.9 T
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 ²	6 -10 sec	6 Sec		
			Max Pressure in BC	3.00 ± 0.15 Kg/cm ²	3.00		
			All Brake are applied	OK	OK		
7.2	Insensitivity		Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK		
7.3	Sensitivity		Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
8.1	PAINT		PU PAINT	APEX	87		
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
i.	BRAKE EQUIPMENT		KBI				
iii.	BIO TANK		RAIL FAB				
iv.	SEATS/S&B		GANDHI				
v.	BODY SIDE DOOR		JBM,SUKATA				
vi.	VESTIBULE SLIDING DOOR		HP				
vii.	CREW-GEN & GUARD ROOM DOOR		JBM/CP				
viii.	WATER TANKS		AMIT				
ix	FUEL TANK		GAURAV				
x	UIC VESTIBULE		KRP				
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.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			6010		NE		LWLRRM		16852		25-07-2016	
11.1	Wheel & Axle Details:		LPC-I PP Side(Guard)					LPC-II NPP Side (Non guard)				
	i.	Bogie No.	166641					166642				
	ii.	Frame No.	FIAT-5043					FIAT-4885				
	iii.	Bolster No.	5976-VT					5993-VT				
	iv.	Axle No.	N-5654		N-0633		N-0699		N-6300			
	v.	Wheel Dia.	916.00	916.00	917.00	917.00	916.00	916.00	916.00	916.00		
	vi.	Wheel Disc No.	13350-00140	13351-00059	13354-00190	13354-00032	13352-00276	13352-00192	13352-00277	13352-00225		
	vii.	R.B. Nos.	01505	01604	01303	01507	01464	01994	01819	01743		
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	RSK-16-4-044	RSK-16-5-186	RSK-16-4-199	RSK-16-5-183	RSK-16-5-135	AFJ-15-12-15	RSK-16-5-105	AFJ-15-12-22			
ii.	Ht. at test load	512	468	510	468	515	471	515	471			
iii.	Align .deviation	5	14	9	16	8	11	8	12			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			G-15-9			G-15-9			GF	
	ii.	Primary inner Spring			GBD-16-6			GBD-16-6			GBD	
	iii.	Primary Damper			1785,1600,0594,1800			1742,1463,1461,1783			KNORR	
	iv.	Secondary damper			0489,0361			0457,0379			KNORR	
	v.	Lateral Damper			0123			0337			KNORR	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			3705/261,K5099/260 3686/261,K5098/260			3704/261,3405/261 3729/261,3731/261			KBI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									MGN	
	xiv.	Traction centre elastic									GMT	
	xv.	Secondary rubber pad									TECSPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									EMSON	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									SARITA	
11.4	i.	Modification / Trial (if any):			NIL							
	ii.	Deviations (if any):			NIL							

