



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5007	DISPATCH DATE				16.12.2015
2.	Railway	SCR	Type	LWSCZ	Coach No.	15610	
3.	Booked to	SSE/C&W/SC					
4.	Tare Weight of Coach	40.5 T					
5.	Carrying Capacity	Seating	106	Sleeping	NIL	Luggage	NIL
6.	Shell Details: (LJ90001))						
	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	1104		
	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	VIBGYOR	85/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT			FAIVELEY		
	iii.	CDTS			RAIL FAB		
	iv.	SEAT & BERTH			SUKATA		
	v.	BODY SIDE DOORS			JBM		
	vi.	SALOON COMPTT DOORS			NA		
	vii.	VESTIBULE SLIDING DOOR			HANSPAL		
	viii.	WATER TANKS			RAIL FAB		
	ix	UIC VESTIBULE			ESCORTS		
	x	LUGGAGE RACK			HANSPAL		
	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	
			5007		SC				15610/C		09-11-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	156851						156852			
	ii.	Frame No.	ECBT-997						FIAT-4454			
	iii.	Bolster No.	5207-P						5204-P			
	iv.	Axle No.	126677/480		127831/987		114069/374		128422/983			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00		
	vi.	Wheel Disc No.	6211-00141	6211-00084	6211-00064	6211-00083	6228-00167	6228-00014	6211-00088	6232-00012		
	vii.	R.B. Nos.	34884	34727	33887	34186	33907	34833	33909	06692		
	viii.	R.B. Make	SKF		SKF		SKF		SKF			
	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.	CMRSK-15-3-185	G-12-10-1597	CMRSK-15-3-186	G-12-8-3237	CMRSK-15-3-94	G-12-8-3301	CMRSK-15-3-187	G-12-8-3212			
ii.	Ht. at test load	511	461	511	463	507	465	509	466			
iii.	Align .deviation	15	8	19	8	5	19	7	21			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			RSK-14-5			RSK-14-5			RSK	
	ii.	Primary inner Spring			L&S-13-2			L&S-13-2			L&S	
	iii.	Primary Damper			26190,25739,25542,26152			25223,26133,25628,26141			KONI	
	iv.	Secondary damper			192,962			457,977			GEREP	
	v.	Lateral Damper			328			361			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			H15051/600,H15126/600, H15045/600,H15128/600			15052/600,15111/600, 15101/600,15115/600			FTI	
	viii.	Brake Disc									FTI,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									MGN	
	xiv.	Traction centre elastic									GMT,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.	Modification / Trial (if any):					NIL					
	ii.	Deviations (if any):					NIL					

LWSCZ5007



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5006	DISPATCH DATE				27.11.2015
2.	Railway	SCR	Type	LWSCZ	Coach No.	15608	
3.	Booked to	SSE/C&W/SC					
4.	Tare Weight of Coach	40.5 T					
5.	Carrying Capacity	Seating	106	Sleeping	NIL	Luggage	NIL
6.	Shell Details: (LJ90001))						
	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	VIBGYOR	85/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT			KBI		
	iii.	CDTS			RAIL FAB		
	iv.	SEAT & BERTH			SULEJ		
	v.	BODY SIDE DOORS			JBM		
	vi.	SALOON COMPTT DOORS			NA		
	vii.	VESTIBULE SLIDING DOOR			HP		
	viii.	WATER TANKS			RUBICONE, RAIL FAB		
	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	



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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			5006	SC	LWSCZ	15608/C	31-10-2015			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	156817				156818			
	ii.	Frame No.	FIAT-4333				VS-12			
	iii.	Bolster No.	5185-P				5220-P			
	iv.	Axle No.	126596/480	125978/475	126961/476	128573/989				
	v.	Wheel Dia.	915.50	916.00	916.50	916.50	916.50	916.00	916.50	917.00
	vi.	Wheel Disc No.	06222-00051	6202-00177	6228-00206	7166-00038	6222-00095	7150-00190	6222-00170	6211-00147
	vii.	R.B. Nos.	06079	05705	34695	05777	05838	05672	06852	34699
	viii.	R.B. Make	SKF		SKF		SKF		SKF	
	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.	CMAFJ-15-8-12	CMRSK-15-3-5224	CMAFJ-15-8-37	CMRSK-15-3-5224	CMAFJ-15-8-19	CMRSK-15-3-17	CMAFJ-15-8-20	CMRSK-15-3-15	
ii.	Ht. at test load	512	468	512	468	512	467	511	468	
iii.	Align .deviation	20	20	20	22	12	24	15	24	
11.3	Items traceability:									
	Sno.	Item	PP Side Bogie		NPP side Bogie		Make			
	i.	Primary Outer Spring	RSK-14-5		RSK-14-5		RSK			
	ii.	Primary inner Spring	G-12-5		G-12-5		GF			
	iii.	Primary Damper	25707,25590,25805,26093		25588,26063,25583,25572		KONI			
	iv.	Secondary damper	507,1351		1486,1466		GEREP			
	v.	Lateral Damper	228		264		GEREP			
	vi.	Yaw Damper					NIL			
	vii.	Brake cylinder & Caliper	1080/691,1466/691,1316/691,1386/691		1788/691,1859/691,1814/691,1877/691		KBI			
	viii.	Brake Disc					FTI			
	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					MGN			
	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					EMSON			
11.4	i.	Modification / Trial (if any):			NIL					
	ii.	Deviations (if any):			NIL					

LWSCZ-5006