



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5001	DISPATCH DATE				27.1.16
2.	Railway	SR	Type	LFCWAC	Coach No.	15026	
3.	Booked to		SSE/C&W/PER				
4.	Tare Weight of Coach		43.6 T				
5.	Carrying Capacity	Seating	38	Sleeping	38	Luggage NIL	
6.	Shell Details: WA900001						
	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 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	NEROLAC	87/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i.	BRAKE EQUIPMENT	FAIVELEY				
	ii.	CDTS/ BIO TOILET	AMIT				
	iii.	SEATS/ BERTHS	AAR KAY FOAMS				
	iv.	BODY SIDE DOOR	SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	KUTEER ,SHIVALIK,MANOJ				
	viii.	UIC VESTIBULE	ESCORT				
	ix	FLOOR BOARD	TAYAL				
	x	PVC FLOORING	RESPONSIVE				
10.							
	i	Modification / Trail (if any):				NIL	
	ii	Deviations if any:				NIL	



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			5001		SR		LFCWAC		15026/C		28-12-2015	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	157007						157008			
	ii.	Frame No.	FIAT-4530						FIAT-4509			
	iii.	Bolster No.	5278-P						5325-VT			
	iv.	Axle No.	126694/468		128026/988		127767/987		125989/475			
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.50	916.50	916.00	916.00		
	vi.	Wheel Disc No.	7290-00164	7290-00190	7282-00166	7290-00050	6221-00086	6226-00211	7282-00168	6226-00215		
	vii.	R.B. Nos.	03364	03463	06298	03478	03016	03386	06343	02883		
	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.	DN-13-5-3733	DN-13-5-2070	DN-13-5-3894	DN-13-5-2108	DN-13-5-3963	DN-12-10-1365	DN-13-4-3563	DN-12-6-1426			
ii.	Ht. at test load	508	467	510	467	510	467	510	465			
iii.	Align .deviation	18	11	19	12	18	1	19	5			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			RSK-13-2			RSK-13-2			RSK	
	ii.	Primary inner Spring			RSK-11-5			RSK-11-5			RSK	
	iii.	Primary Damper			1482,1462,1490,1498			1267,1453,1432,1222			GEREP	
	iv.	Secondary damper			1358,1386			1504,1388			GEREP	
	v.	Lateral Damper			784			519			GEREP	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			M15070/600,M15052/600 M15075/600,M15048/600			M15025/600,M15056/600 M15035/600,M11510/600			FTI	
	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									GMT	
	xiv.	Traction centre elastic									SGA,MGN	
	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				

LFCWAC -5001



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	5011	DISPATCH DATE				03.02.2016
2.	Railway	SR	Type	LFCWAC	Coach No.	15027	
3.	Booked to		SSE/C&W/PER				
4.	Tare Weight of Coach		43.6 T				
5.	Carrying Capacity	Seating	38	Sleeping	38	Luggage	NIL
6.	Shell Details: WA900001						
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	1100	
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 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	85/85	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:				Make		
i.	BRAKE EQUIPMENT				KBI		
ii.	CDTS/ BIO TOILET				AMIT		
iii.	SEATS/ BERTHS				AAR KAY FOAMS		
iv.	BODY SIDE DOOR				SUKATA		
v.	VESTIBULE SLIDING DOOR				KALSI		
vi.	SALOON DOOR				KALSI		
vii.	WATER TANKS				KUTEER,SHIVALIK, MANOJ		
viii.	UIC VESTIBULE				ESCORTS		
ix	FLOOR BOARD				TAYAL		
x	PVC FLOORING				RESPONSIVE		
10.							
i	Modification / Trail (if any):					NIL	
ii	Deviations if any:					NIL	



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11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date		
			5011		SR		LWSCZ		15027		28-12-2015		
11.1	Wheel & Axle Details:		PP Side						NPP Side				
	i.	Bogie No.	156942						156945				
	ii.	Frame No.	FIAT-4447						VS/M/C-22				
	iii.	Bolster No.	5316-VT						5323-VT				
	iv.	Axle No.	128140/984		127046/476		126903/470		113430/372				
	v.	Wheel Dia.	916.00	916.00	916.50	916.00	916.00	916.00	916.50	916.00			
	vi.	Wheel Disc No.	07301-00139	7222-00060	7282-00131	7222-00066	7282-00132	6227-00156	6227-00078	06228-00053			
	vii.	R.B. Nos.	01847	01148	01432	04088	01862	01660	05011	01513			
	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.	CMAFJ-15-5-47	G-12-8-3375	CMAFJ-15-5-27	G-12-8-3323	CMAFJ-15-5-36	G-12-8-3266	CMAFJ-15-5-31	G-12-8-3482				
ii.	Ht. at test load	508	467	507	467	507	465	507	466				
iii.	Align .deviation	13	18	11	18	18	25	15	25				
11.3	Items traceability:												
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make		
	i.	Primary Outer Spring			RSK-13-2			RSK-13-2			RSK		
	ii.	Primary inner Spring			RSK-11-5			RSK-11-5			RSK		
	iii.	Primary Damper			617,1298,943,1294			660,1314,1336,875			GEREP		
	iv.	Secondary damper			1535,488			496,530			GEREP		
	v.	Lateral Damper			306			117			GEREP		
	vi.	Yaw Damper									NIL		
	vii.	Brake cylinder & Caliper			1818/691,1878/691 1817/691,1879/691			1816/691,1882/691 1815/691,1881/691			KBI		
	viii.	Brake Disc									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,GMT		
	xiv.	Traction centre elastic									GMT,MGN		
	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	