



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7001	DISPATCH DATE				08.07.2017	
2.	Railway	ECoR	Type	LWCBAC	Coach No.		17801	
3.	Booked to		SSE/C&W/PURI					
4.	Tare Weight of Coach		40.9 T					
5.	Carrying Capacity	Seating	NIL	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)	SANROK		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		3.80 ± 0.15 Kg/cm ²		3.80	
			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	GS	89/90			
	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	M K PRECISION					
	iii.	SEATS/ BERTHS	AMIR CHAND					
	iv.	BODY SIDE DOOR	JVR					
	v.	VESTIBULE SLIDING DOOR	HANSPAL					
	vi.	SALOON DOOR	KALSI					
	vii.	WATER TANKS	AMIT & SHIVALIK					
	viii.	UIC VESTIBULE	ESCORTS					
	ix	FLOOR BOARD	NARBADA					
	X	PVC	RESPONSIVE					
	Xi	LP SHEET						
10.								
	10.1	Modification / Trail (if any):				NIL		
	10.2	Deviations if any:				NIL		



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Rail Coach Factory , Kapurthala

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7001	ECOR	LWCBAC	17801	21-04-2017			
11.1	Wheel & Axle Details:									
	i.	Bogie No.	176372			176373				
	ii.	Frame No.	FIAT-5065			SCI/FM-791				
	iii.	Bolster No.	6884-GT			6850-GT				
	iv.	Axle No.	V-1575		W-2854		V-1815		S-9828	
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	916.50	917.00	917.00	917.00	916.50	917.00	916.00	916.00
	vii.	Wheel Disc No.	00136/7217	00162/7260	00088/7250	00025/7254	00043/7321	00022/7254	00160/6187	00120/6204
	viii.	R.B. Nos.	86011	81116	86032	86231	86236	73410	80031	81074
	ix.	R.B. Make	SKF		SKF		SKF		SKF	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING								
11.2	Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non Lat. Damper side		Lateral Damper Side		Non Lat.Damper side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	FSK-17-2-108	GBD-16-12-051	FSK-17-2-090	GBD-16-12-05	FSK-17-2-129	GBD-16-12-047	FSK-17-2-035	GBD-16-12-084	
ii.	Ht. at test load	510	468	509	467	507	466	507	467	
iii.	Align .deviation	12	12	10	12	11	10	9	9	
11.3	Items traceability:									
	Sno.	Item							Make	
	i.	Primary Outer Spring		FSK-17-1		FSK-17-1		FSK		
	ii.	Primary inner Spring		G-12-6		G-12-6		GF		
	iii.	Primary Damper		37736,37548,37897,37737		37914,37920,37771,37789		KONI		
	iv.	Secondary damper		0697,0686		0707,0737		SV		
	v.	Lateral Damper		0404		0153		SV		
	vi.	Brake cylinder & Caliper		M16385/600,N16076/600 M16419/600,N16063/600		M16224/600,M16234/600 M16221/600,M16412/600		FTI		
	vii.	Brake Disc						KBI		
	viii.	Control arm top						KUMAR		
	ix.	Control arm bottom						KUMAR		
	x.	Top Rubber Pad						SGA		
	xi.	Vertical Bump Stop						GMT		
	xii.	Ball joint Control arm						MGN		
	xiii.	Lateral Bump stop						GMT		
	xiv.	Traction center make						EMSON		
	xv.	Traction lever make						SARITA		
	xvi.	Ball joint traction lever						MGN		
	xvii.	Traction centre elastic						GMT		
	xviii.	Secondary rubber pad						TECSPAK		
	xix.	Rubber spring						GMT		
	xx.	Anti roll bar make						SARITA		
	xxi.	Ball joint roll link						SARITA		
	xxii.	Fork make						RNG		
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				

LWCBAC-7001



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Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7010	DISPATCH DATE				31.07.2017
2.	Railway	ECoR	Type	LWCBAC	Coach No.	17802	
3.	Booked to	SSE/C&W/PUI					
4.	Tare Weight of Coach	40.9 T					
5.	Carrying Capacity	Seating	NIL	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	1090	1100		
	v)	Buffer/CBC (Make)	SANROK	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	3.80 ± 0.15 Kg/cm ²	3.80		
			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	85/86		
	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	RAIL TECH, RAIL FAB				
	iii.	SEATS/ BERTHS	AMIR CHAND				
	iv.	BODY SIDE DOOR	JBM				
	v.	VESTIBULE SLIDING DOOR	HANSAPL				
	vi.	SALOON DOOR	KALSI				
	vii.	WATER TANKS	RAIL FAB, RAIL TECH, SHIVALIK				
	viii.	UIC VESTIBULE	ESCORTS				
	ix	FLOOR BOARD	TWPL				
	X	PVC	RESPONSIVE				
	Xi	LP SHEET	--				
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176470471

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date		
					LWSCE				
11.1 Wheel & Axle Details:									
i.	Bogie No.	176470				176471			
ii.	Frame No.	FIAT-5668				FIAT-5659			
iii.	Bolster No.	GI-6975				F-6992			
iv.	Axle No.	K-2140		R-2684		V-1578		S-3662	
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
vi.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.50
vii.	Wheel Disc No.	00162-6018	00004-6139	00089-6196	00140-6191	00026-6185	00094-6223	00164-6069	00043-6070
viii.	RB Nos.	03238	00917	03281	03177	03268	03026	09256	08248
ix.	RB Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2 Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non-Lat. Damper Side		Lateral Damper Side		Non-Lat. Damper Side	
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i.	Make & Nos.	FSK-17-2-132	GBD-16-12-025	FSK-17-2-140	GBD-16-12-147	FSK-17-2-96	GBD-16-12-162	FSK-17-2-071	GBD-16-12-100
ii.	Ht. at lest load	508.00	467.00	507.00	467.00	512.00	468.00	512.00	468.00
iii.	Align. deviation	12.00	11.00	12.00	10.00	12.00	10.00	8.00	6.00
Items traceability:									
11.3		Sno.	Item					Make	
i.	Primary Outer Spring	FSK-17-3		FSK-17-3		FSK			
ii.	Primary inner Spring	GF-12-6		GF-12-6		GF			
iii.	Primary Damper	37393, 37292, 37188, 37341		36967, 37192, 37162, 37442		KONI			
iv.	Secondary Damper	062, 067		043, 040		GABRIEL			
v.	Lateral Damper	0281		0046		SV			
vi.	Break cylinder & Caliper	K16005, K16050, K16003, K16049		K16173, K16208, K16170, K16209		FTI			
vii.	Break Disc					KBI			
viii.	Control arm top					KUMAR			
ix.	Control arm bottom					KUMAR			
x.	top rubber Pad					SCA			
xi.	Vertical Bump Stop					GMT			
xii.	Ball Joint Control arm					MGN			
xiii.	Lateral Bump stop					MGN			
xiv.	Traction center make					EMSON			
xv.	Traction lever make					APW			
xvi.	Ball joint traction lever					SCA			
xvii.	Traction center elastic					GMT			
xviii.	Secondary rubber pad					TECSPAK			
xix.	Rubber spring					GMT			
xx.	Anti roll bar make					SARITA			
xxi.	Ball joint roll link					SARITA			
xxii.	FORK make					SARITA			
11.4		i.	Modification/Trail (if any):	NIL					
		ii.	Deviations (if any):	NIL					

LWCBAC-7010