



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7008	DISPATCH DATE				28.8.17
2.	Railway	NF	Type	LWCBAC	Coach No.	17802	
3.	Booked to	SSE/C&W/GHY					
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)	CBC Height	Specified : 1105 +0 /-15 mm	1105	1105		
	v)	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	85/87		
	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+RAIL TECH				
	iii.	SEATS/ BERTHS	AMIR CHAND				
	iv.	BODY SIDE DOOR	SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	COMPARTMENT DOOR	RT				
	vii.	WATER TANKS	RAIL TECH(AUX) & AMIT (U/S)				
	viii.	UIC VESTIBULE	KRP				
	ix	FLOOR BOARD	TWPL				
	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

Bogie Pair ID: 176637638

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7008	NFR	LWCBAC	17802/C	28-AUG-17			
11.1	Wheel & Axle Details:									
i.	Bogie No.	176637			176638					
ii.	Frame No.	FIAT-5754			SCI-932					
iii.	Bolster No.	P-7163			P-7126					
iv.	Axle No.	R-2600		V-1801	R-2985		W-3048			
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.	917.00	917.00	917.00	917.00	916.00	916.00	917.00	917.00	
vii.	Wheel Disc No.	00009-7250	00069-7250	00097-6QH5	01061-6QG5	00147-7251	00012-6226	00083-6226	00138-6226	
viii.	RB Nos.	04131	08768	03487	04250	03600	03518	03776	04150	
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.	GBD-17-05-95	GBD-16-12-171	GBD-17-05-13	GBD-16-12-89	GBD-17-05-93	GBD-16-12-17	GBD-17-05-60	GBD-16-12-48	
ii.	Ht. at lest load	510.00	468.00	510.50	468.00	511.00	467.00	512.00	468.00	
iii.	Align. deviation	11.00	7.00	11.00	11.00	9.00	12.00	11.00	12.00	
Items traceability:										
11.3	Sno. Item								Make	
i.	Primary Outer Spring		GBD-17-05			GBD-17-05		GBD		
ii.	Primary inner Spring		FSK-17-03			FSK-17-03		FSK		
iii.	Primary Damper		36218, 36958, 36651, 36660			36400, 35395, 36935, 37113		KONI		
iv.	Secondary Damper		185, 354			334, 259		GABRIEL		
v.	Lateral Damper		224			223		GABRIEL		
vi.	Break cylinder & Caliper		M16108,M16284, M16107,M16261			M16121,M16281, M16123,M16280		FTI		
vii.	Break Disc							KBI		
viii.	Control arm top							KUMAR		
ix.	Control arm bottom							KUMAR		
x.	top rubber pad							GMT		
xi.	Vertical Bump Stop							GMT		
xii.	Ball Joint Control arm							GMT		
xiii.	Lateral Bump stop							GMT		
xiv.	Traction center make							EMSON		
xv.	Traction lever make							SARITA		
xvi.	Ball joint traction lever							SCA		
xvii.	Traction center elastic							GMT		
xviii.	Secondary rubber pad							DUREL		
xix.	Rubber spring							GMT		
xx.	Anti roll bar make							EMSON		
xxi.	Ball joint roll link							SARITA		
xxii.	FORK make							SARITA		
11.4	i. Modification/Trail(if any):		NIL							
	ii. Deviations (if any):		NIL							

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7003	DISPATCH DATE				25.8.17
2.	Railway	NF	Type	LWCBAC	Coach No.	17801	
3.	Booked to	SSE/C&W/GHY					
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)	CBC Height	Specified : 1105 +0 /-15 mm	1104	1105		
	v)	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	86/88		
	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	SUKATA				
	v.	VESTIBULE SLIDING DOOR	KALSI				
	vi.	COMPARTMENT DOOR	RT				
	vii.	WATER TANKS	RAIL TECH,SHIVALIC,AMIT				
	viii.	UIC VESTIBULE	ESCORT				
	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: 176448449

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7003	NFR	LWCBAC	17801/C	25-AUG-17			
11.1	Wheel & Axle Details:									
i.	Bogie No.	176448				176449				
ii.	Frame No.	SIMPLEX-01				FIAT-5691				
iii.	Bolster No.	GI-6968				F-6922				
iv.	Axle No.	S - 9729		N - 0949		R - 3575		P - 9185		
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	916.00	
vii.	Wheel Disc No.	00100-6070	00150-6069	00082-6069	00013-6191	00082-6104	00095-6132	00024-6132	00098-6107	
viii.	RB Nos.	03130	03156	02963	02821	03000	01926	03208	03127	
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-17-01-036	GBD-16-12-153	FSK-17-01-019	GBD-16-12-151	FSK-17-01-024	GBD-16-12-159	FSK-17-01-68	GBD-16-12-165	
ii.	Ht. at lest load	510.00	468.00	508.50	468.00	511.00	468.00	511.00	464.00	
iii.	Align. deviation	10.00	6.00	11.00	6.00	10.00	10.00	12.00	12.00	
Items traceability:										
11.3	Sno. Item								Make	
i.	Primary Outer Spring		FSK-17-01			FSK-17-01			FSK	
ii.	Primary inner Spring		GF-12-06			GF-12-06			GF	
iii.	Primary Damper		33363, 33292, 33344, 33450			35615, 36241, 33381, 33466			KONI	
iv.	Secondary Damper		0855, 0854			0858, 0850			KNORR	
v.	Lateral Damper		0015			0125			SV	
vi.	Break cylinder & Caliper		K16141, K16041, L16012, K16305			K16237, K16306, K16142, K16145			FTI	
vii.	Break Disc								KBI FTI	
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 SARITA	
xvi.	Ball joint traction lever								MGN	
xvii.	Traction center elastic								GMT	
xviii.	Secondary rubber pad								TECSYAK	
xix.	Rubber spring								PRAG	
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-7003

