



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7019	DISPATCH DATE				03.07.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17208	
3.	Booked to	SSE/C&W/BKN					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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	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	Max Pressure in BC	6 -10 sec	6 Sec		
		All Brake are applied		3.00 ± 0.15 Kg/cm ²	3.00		
7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min		OK	OK		
7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		No brake application	OK		
				Brake must apply	OK		
8.	PAINTING DEATAILS:	TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	VIBGYOR	86/87			
8.2	APPLICATION OF PCN-123	SATISFACTORY					
8.3	INSUALTION	SATISFACTORY					
9.	Traceability of Furnishing Items:	Make					
i	BRAKE EQUIPMENT	FAIVELEY					
ii	SEAT & BERTH	OVPL					
iii	BODY SIDE DOORS	JBM					
iv	WATER TANKS	RAIL FAB, AMIT & SHIVALIK					
v	FLOOR BOARD	TWPL					
vi	PVC FLOORING	RESPONSIVE					
vii	UIC VESTIBULE	SSIPL					
viii	VESTIBULE SLIDING DOOR	HP					
	BIO TOIET	JLS, M K PRECISION					
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: 176506515

11. Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
		7019	NWR	LWSCR	17208/C	03-JUL-17			
11.1 Wheel & Axle Details:									
i.	Bogie No.	176506			176515				
ii.	Frame No.	FIAT-5713			ECBT-112				
iii.	Bolster No.	P-6981			P-7035				
iv.	Axle No.	R-3579	R-2421	W-2910	S-1766				
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side			
		Phonic wheel side	Plane side	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	916.00	916.50	917.00			
		917.00	917.00	916.00	916.50	917.00			
vii.	Wheel Disc No.	00139-6018	00014-6107	00101-6044	00108-6202	00103-6214			
		00003-6194	00054-6188	00017-6107					
viii.	RB Nos.	03122	08993	01947	00797	03207			
		02884	03278	03284					
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-17-04-076	GBD-17-03-341	FSK-17-04-016	GBD-17-03-345	FSK-17-4-041	FSK-17-02-024	FSK-17-04-062	FSK-17-04-073
ii.	Ht. at lest load	513.00	471.00	512.00	472.00	514.00	468.00	515.50	472.00
iii.	Align. deviation	10.00	9.00	8.00	5.00	7.00	11.00	11.00	11.00
Items traceability:									
11.3		Sno. Item				Make			
i.	Primary Outer Spring	FSK-17-03			FSK-17-03		FSK		
ii.	Primary inner Spring	GBD-16-12			GBD-16-12		GBD		
iii.	Primary Damper	32570, 32574, 32591, 32587		33133, 33447, 33403, 33165		KONI			
iv.	Secondary Damper	104, 0207			0190, 449		GEREP		
v.	Lateral Damper	154			0167		GABRIEL		
vi.	Break cylinder & Caliper	G16055, G16087, G16056, G16089		K16209, K16155, K16208, K16213		FTI			
vii.	Break Disc						FTI		
viii.	Control arm top						KUMAR		
ix.	Control arm bottom						KUMAR		
x.	top rubber pad						SGA GMT		
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 SGA		
xvii.	Traction center elastic						SGA GMT		
xviii.	Secondary rubber pad						DUREL TECSPAK		
xix.	Rubber spring						GMT		
xx.	Anti roll bar make						EMSON SARITA		
xxi.	Ball joint roll link						SARITA		
xxii.	FORK make						RNG		
11.4		i. Modification/Trail (if any):				NIL			
		ii. Deviations (if any):				NIL			



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	7020	DISPATCH DATE				31.07.2017	
2.	Railway	NWR	Type	LWSCN1		Coach No.	17210	
3.	Booked to		SSE/C&W/BKN					
4.	Tare Weight of Coach		41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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	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	86/87			
	8.2	APPLICATION OF PCN-123	SATISFACTORY					
	8.3	INSUALTION	SATISFACTORY					
9.	Traceability of Furnishing Items:					Make		
	i	BRAKE EQUIPMENT				FAIVELEY		
	ii	SEAT & BERTH				OVPL		
	iii	BODY SIDE DOORS				JBM		
	iv	WATER TANKS				SHIVALIK		
	v	FLOOR BOARD				TAYAL		
	vi	PVC FLOORING				RESPONSIVE		
	vii	UIC VESTIBULE				KRP		
	viii	VESTIBULE SLIDING DOOR				HP		
		BIO TOIET				RAIL FAB		
10.								
	10.1	Modification / Trail (if any):				NIL		
	10.2	Deviations if any:				NIL		



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Bogie Pair ID: 176430431

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date		
					LWSCR				
11.1 Wheel & Axle Details:									
i.	Bogie No.	176430				176431			
ii.	Frame No.	FIAT-5654				FIAT-5675			
iii.	Bolster No.	P-6951				P-6921			
iv.	Axle No.	V-1166		V-2465		K-3032		S-3643	
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	917.00	917.00	917.00	917.00
vii.	Wheel Disc No.	00024-6192	00086-7289	00058-6223	00069-7251	00323-7321	00011-7321	00033-6220	00151-6192
viii.	RB Nos.	09434	09208	09323	09284	08645	08797	09197	08449
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--17-01-012	GBD-17-03-326	GBD--17-01-07	GBD-17-03-324	GBD-17-01-09	GBD-17-03-178	GBD-17-01-08	GBD-17-03-15
ii.	Ht. at lest load	515.00	472.00	516.00	469.00	516.00	470.00	516.00	471.00
iii.	Align. deviation	6.00	5.00	6.00	6.00	7.00	6.00	9.00	9.00
Items traceability:									
11.3		Sno.	Item					Make	
i.	Primary Outer Spring	GBD-16-12		GBD-16-12		GBD			
ii.	Primary inner Spring	FSK-16-7		FSK-16-7		FSK			
iii.	Primary Damper	33153, 33113, 33093, 33103		33141, 33084, 33132, 33331		KONI			
iv.	Secondary Damper	011, 024		049, 047		GABRIEL			
v.	Lateral Damper	0002		0021		SV			
vi.	Break cylinder & Caliper	16233,16281, 16230,16278		16235,16267, 16236,16206		FTI			
vii.	Break Disc					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					SARITA			
xvi.	Ball joint traction lever					MGN			
xvii.	Traction center elastic					GMT			
xviii.	Secondary rubber pad					TECSPACK			
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					



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	7022	DISPATCH DATE				31.07.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17209	
3.	Booked to		SSE/C&W/BKN				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	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	86/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i	BRAKE EQUIPMENT	FAIVELEY				
	ii	SEAT & BERTH	OVPL				
	iii	BODY SIDE DOORS	JBM				
	iv	WATER TANKS	SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL				
	viii	VESTIBULE SLIDING DOOR	HP				
		BIO TOIET	RAIL FAB				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



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Bogie Pair ID: 176446447

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date		
					LWSCR				
11.1 Wheel & Axle Details:									
i.	Bogie No.	176446				176447			
ii.	Frame No.	FIAT-5684				FIAT-5544			
iii.	Bolster No.	GI-6956				GT-6912			
iv.	Axle No.	V-3379		S-9592		R-2415		R-3572	
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.	00070-6196	00118-6196	00045-6196	00156-6225	00007-6107	00081-6132	00043-6203	00164-6107
viii.	RB Nos.	3124	3169	01891	2110	01682	02052	03170	02870
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-17-3-01-4	GBD-17-3-284	GBD-17-1-1	GBD-17-3-321	GBD-17-1-3	GBD-17-3-317	GBD-17-1-9	GBD-17-3-283
ii.	Ht. at lest load	516.00	471.00	516.00	472.00	515.00	469.00	515.00	472.00
iii.	Align. deviation	8.00	6.00	9.00	8.00	7.00	11.00	8.00	12.00
Items traceability:									
11.3		Sno.	Item					Make	
	i.	Primary Outer Spring	FSK-17-3		FSK-17-3		FSK		
	ii.	Primary inner Spring	FSK-16-4		FSK-16-4		FSK		
	iii.	Primary Damper	33457, 33342, 33397, 33335		33341, 33358, 33338, 33465		KONI		
	iv.	Secondary Damper	575, 567		485, 659		GEREP		
	v.	Lateral Damper	225		222		SV		
	vi.	Break cylinder & Caliper	16229,16276, 16232,16280		16250,16279, 12014,16254		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					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					



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1.	SHELL No.	7021	DISPATCH DATE				15.07.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17211	
3.	Booked to	SSE/C&W/BKN					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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	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		GS	85/87	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
I	BRAKE EQUIPMENT			FAIVELEY			
ii	SEAT & BERTH			OVPL			
iii	BODY SIDE DOORS			--			
iv	WATER TANKS			RAIL FAB & SHIVALIK			
v	FLOOR BOARD			TWPL			
vi	PVC FLOORING			RESPONSIVE			
vii	UIC VESTIBULE			SSIPL			
viii	VESTIBULE SLIDING DOOR			KALSI			
	BIO TOILET			RAIL TECH			
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: 176394395

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date		
		7021	NWR		LWSCR	17211/C	15-JUL-17		
11.1 Wheel & Axle Details:									
i.	Bogie No.	176394				176395			
ii.	Frame No.	FIAT-5640				FIAT-5652			
iii.	Bolster No.	GI-6913				GT-6891			
iv.	Axle No.	W-3664		W-3199		V-1090		W-2993	
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	916.50	916.50	917.00	917.00	917.00	917.00
vii.	Wheel Disc No.	00078-7250	00032-7251	00153-6191	00106-6194	00156-6185	00077-6171	00185-6194	00096-6176
viii.	RB Nos.	76438	79666	76739	76597	06180	75809	77115	06209
ix.	RB 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.	RSK-16-4-359	GBD-17-2-220	RSK-16-4-359	GBD-17-2-220	RSK-16-4-294	GBD-17-2-250	RSK-16-4-184	GBD-17-2-241
ii.	Ht. at lest load	515.00	471.00	516.00	472.00	512.00	469.00	512.00	472.00
iii.	Align. deviation	8.00	6.00	4.00	6.00	8.00	5.00	11.00	5.00
Items traceability:									
11.3		Sno.	Item					Make	
i.	Primary Outer Spring	FSK-16-12		FSK-16-12		FSK			
ii.	Primary inner Spring	FSK-16-07		FSK-16-7		FSK			
iii.	Primary Damper	35391, 35407, 35640, 35376		35402, 35504, 35672, 35514		KONI			
iv.	Secondary Damper	373, 021		28, 10		GEREP			
v.	Lateral Damper	0282		0308		SV			
vi.	Break cylinder & Caliper	M16293, M16079, M16241, M163245		K16158, K16227, K16157, K16217		FTI			
vii.	Break Disc					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					GMT			
xiv.	Traction center make					EMSON			
xv.	Traction lever make					APW			
xvi.	Ball joint traction lever					MGN			
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					RNG			
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.	7029	DISPATCH DATE				18.07.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17216	
3.	Booked to		SSE/C&W/BKN				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1102	1105		
	v)	Buffer/CBC (Make)	SANROK	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	GS	87/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i	BRAKE EQUIPMENT	FAIVELEY				
	ii	SEAT & BERTH	OVPL				
	iii	BODY SIDE DOORS	JBM				
	iv	WATER TANKS	RAIL TECH & SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	ESCORTS				
	viii	VESTIBULE SLIDING DOOR	KALSI				
		BIO TOILET	RAIL TECH				
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: 176548549

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			7029	NWR	LWSCR	17216/C	18-JUL-17			
11.1	Wheel & Axle Details:									
i.	Bogie No.	176548				176549				
ii.	Frame No.	FIAT-5744				SCI-917				
iii.	Bolster No.	P-7041				P-7022				
iv.	Axle No.	W-8032		W-8002		R-3668		W-7818		
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	917.00	917.00	917.00	917.00	
vii.	Wheel Disc No.	00305-6064	06623-6QM1	08588-6QG9	05471-6QM0	07426-6QK2	00722-6QJ5	07671-6QK4	00376-6QG4	
viii.	RB Nos.	02181	01994	01901	02143	09413	08951	01819	01977	
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-17-4-08	FSK-17-04-101	FSK-17-04-65	FSK-17-04-082	FSK-17-04-11	FSK-17-04-22	FSK-17-04-43	FSK-17-04-26	
ii.	Ht. at lest load	516.00	470.00	516.00	470.00	516.00	469.00	514.50	472.00	
iii.	Align. deviation	8.00	10.00	9.00	10.00	7.00	7.00	12.00	9.00	
11.3	Items traceability:									
Sno.	Item					Make				
i.	Primary Outer Spring	FSK-17-01				FSK				
ii.	Primary inner Spring	FSK-17-03				FSK				
iii.	Primary Damper	36412, 36034, 36486, 36225		36240, 36593, 36616, 36095		KONI				
iv.	Secondary Damper	358, 356				332, 74				GEREP
v.	Lateral Damper	139				140				GABRIEL
vi.	Break cylinder & Caliper	L16263,M16435, L16010,M16434		M16246,M16382, M16247,M16385		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					PRAG				
xiii.	Lateral Bump stop					MGN				GMT
xiv.	Traction center make					EMSON				
xv.	Traction lever make					SARITA				
xvi.	Ball joint traction lever					SGA				MGN
xvii.	Traction center elastic					SGA				
xviii.	Secondary rubber pad					DUREL				
xix.	Rubber spring					GMT				
xx.	Anti roll bar make					EMSON				
xxi.	Ball joint roll link					SARITA				
xxii.	FORK make					RNG				
11.4	i.	Modification/Trail(if any):	NIL							
	ii.	Deviations (if any):	NIL							

LSCR-7029



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Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7027	DISPATCH DATE				15.07.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17213	
3.	Booked to	SSE/C&W/BKN					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1104	1104		
	v)	Buffer/CBC (Make)	SANROK	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	GS	87/86		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i	BRAKE EQUIPMENT	FAIVELEY				
	ii	SEAT & BERTH	OVPL				
	iii	BODY SIDE DOORS	JBM				
	iv	WATER TANKS	RAIL FAB, AMIT				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	ESCORTS				
	viii	VESTIBULE SLIDING DOOR	KALSI				
		BIO TOILET	RAIL TECH				
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: 176505507

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date		
		7027	NWR		LWSCR	17213/C	15-JUL-17		
11.1 Wheel & Axle Details:									
i.	Bogie No.	176505				176507			
ii.	Frame No.	FIAT-5744				FIAT-5746			
iii.	Bolster No.	P-7019				P-7010			
iv.	Axle No.	R-3431		W-3025		N-6634		N-6638	
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.	915.50	916.00	915.50	915.50	916.00	916.00	917.00	917.00
vii.	Wheel Disc No.	00135-6212	00090-6212	00094-6220	00157-6212	00032-6223	00136-6212	00029-7257	00173-6068
viii.	RB Nos.	08954	03037	03118	09200	08532	08257	08624	02271
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-17-4-10	GBD-17-3-326	FSK-17-4-45	GBD-17-3-316	GBD-17-3-101	GBD-17-3-330	GBD-17-3-67	GBD-17-3-3269
ii.	Ht. at lest load	516.00	472.00	516.00	471.00	514.00	472.00	513.00	472.00
iii.	Align. deviation	9.00	9.00	11.00	11.00	9.00	12.00	6.00	11.00
Items traceability:									
11.3		Sno. Item				Make			
i.	Primary Outer Spring	FSK-17-03		FSK-17-03		FSK			
ii.	Primary inner Spring	GBD-16-12		GBD-16-12		GBD			
iii.	Primary Damper	32644, 32612, 33868, 33734		31917, 33837, 34093, 33817		KONI			
iv.	Secondary Damper	526, 648		470, 541		GEREP			
v.	Lateral Damper	106		188		GABRIEL			
vi.	Break cylinder & Caliper	G16058, G16080, G16054, G16083		K16132, K16137, M16315, K16137		FTI			
vii.	Break 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 center elastic					SGA			
xviii.	Secondary rubber pad					TECSPAK			
xix.	Rubber spring					GMT			
xx.	Anti roll bar make					EMSON			
xxi.	Ball joint roll link					SARITA			
xxii.	FORK make					RNG			
11.4		i. Modification/Trail (if any):		NIL					
		ii. Deviations (if any):		NIL					

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Form No. : QMF 9454; Version: 1

1.	SHELL No.	7024	DISPATCH DATE				15.07.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17214	
3.	Booked to		SSE/C&W/BKN				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1095	1099		
	v)	Buffer/CBC (Make)	SANROK	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	GS	86/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i	BRAKE EQUIPMENT	FAIVELEY				
	ii	SEAT & BERTH	OVPL				
	iii	BODY SIDE DOORS	JBM				
	iv	WATER TANKS	RAIL FAB, RAIL TECH, SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	ESCORTS				
	viii	VESTIBULE SLIDING DOOR	KALSI				
		BIO TOILET	RAIL TECH				
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: 176516518

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date		
			7024	NWR	LWSCR	17214/C	15-JUL-17		
11.1	Wheel & Axle Details:								
i.	Bogie No.	176516				176518			
ii.	Frame No.	ECBT-67				ECBT-90			
iii.	Bolster No.	P-7047				P-6979			
iv.	Axle No.	R-2354		R-3071		S-1763		S-9321	
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	915.50	916.00	916.50	916.50
vii.	Wheel Disc No.	00059-6107	00194-6107	00177-6204	00161-6194	00079-6018	00042-6173	00025-6194	00020-6215
viii.	RB Nos.	02224	02132	01809	01651	02176	03947	03114	02869
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-17-4-15	FSK-17-4-133	FSK-17-4-22	FSK-17-4-27	FSK-17-4-51	FSK-17-4-65	FSK-17-4-44	FSK-17-4-4113
ii.	Ht. at lest load	516.00	468.00	516.00	470.00	515.00	468.50	513.00	468.00
iii.	Align. deviation	12.00	5.00	12.00	7.00	7.00	11.00	7.00	9.00
	Items traceability:								
11.3	Sno. Item						Make		
	i.	Primary Outer Spring	FSK-17-3		FSK-17-3		FSK		
	ii.	Primary inner Spring	GBD-16-12		GBD-16-12		GBD		
	iii.	Primary Damper	32583, 32663, 32613, 32600		32618, 32640, 32565, 32610		KONI		
	iv.	Secondary Damper	016, 229		028, 101		GEREP		
	v.	Lateral Damper	191		187		GABRIEL		
	vi.	Break cylinder & Caliper	G16191,G16179, G16192,G16175		M16102,M16320, M16101,M16351		FTI		
	vii.	Break Disc					KBI		
	viii.	Control arm top					KUMAR		
	ix.	Control arm bottom					KUMAR		
	x.	top rubber pad					SCA		GMT
	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					SCA		
	xvii.	Traction center elastic					GMT		
	xviii.	Secondary rubber pad					TECSYAK		
	xix.	Rubber spring					GMT		
	xx.	Anti roll bar make					EMSON		
	xxi.	Ball joint roll link					SARITA		
	xxii.	FORK make					RNG		
11.4	i.	Modification/Trail(if any):	NIL						
	ii.	Deviations (if any):	NIL						

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Form No. : QMF 9454; Version: 1

1.	SHELL No.	7023	DISPATCH DATE				17.07.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17212	
3.	Booked to		SSE/C&W/BKN				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1100	1105		
	v)	Buffer/CBC (Make)	SANROK	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	GS	88/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i	BRAKE EQUIPMENT	FAIVELEY				
	ii	SEAT & BERTH	OVPL				
	iii	BODY SIDE DOORS	JBM				
	iv	WATER TANKS	RAIL FAB, RAIL TECH, SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	ESCORTS				
	viii	VESTIBULE SLIDING DOOR	KALSI				
		BIO TOILET	RAIL FAB				
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: 176396397

11.	Bogie Details:	Shell No.	Railway		Type	Coach No.	Dispatch Date		
		7023	NWR		LWSCN	17212/C	17-JUL-17		
11.1 Wheel & Axle Details:									
i.	Bogie No.	176396				176397			
ii.	Frame No.	FIAT-5587				FIAT-5586			
iii.	Bolster No.	GT-6894				GT-6885			
iv.	Axle No.	V-2309		W-3043		V-2096		V-1427	
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	916.00	916.00
vii.	Wheel Disc No.	00020-6107	00083-6070	00036-6070	00187-6107	00053-6218	00103-7251	00008-6194	00087-6225
viii.	RB Nos.	06199	78948	79781	06193	73406	79624	79894	79077
ix.	RB Make	SKF		SKF		SKF		SKF	
x.	RB Type	JIC 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.	RSK-16-4-155	GBD-17-3-275	RSK-16-4-88	GBD-17-3-211	RSK-16-4-189	GBD-17-3-272	RSK-16-4-368	GBD-17-3-274
ii.	Ht. at rest load	516.00	472.00	516.00	470.00	512.00	472.00	513.00	472.00
iii.	Align. deviation	7.00	5.00	5.00	5.00	8.00	12.00	6.00	9.00
Items traceability:									
11.3		Sno.	Item				Make		
		i.	Primary Outer Spring				FSK-16-12		
		ii.	Primary inner Spring				FSK-16-07		
		iii.	Primary Damper				35398, 35385, 35372, 35382		
		iv.	Secondary Damper				12, 28		
		v.	Lateral Damper				397		
		vi.	Break cylinder & Caliper				M16232, M16219, M16225, M16218		
		vii.	Break Disc				M16216, M16413, M16218, M16167		
		viii.	Control arm top						
		ix.	Control arm bottom						
		x.	Top rubber Pad						
		xi.	Vertical Bump Stop						
		xii.	Ball Joint Control arm						
		xiii.	Lateral Bump stop						
		xiv.	Traction center make						
		xv.	Traction lever make						
		xvi.	Ball joint traction lever						
		xvii.	Traction center elastic						
		xviii.	Secondary rubber pad						
		xix.	Rubber spring						
		xx.	Anti roll bar make						
		xxi.	Ball joint roll link						
		xxii.	Fork make						
11.4		i.	Modification/Trail (if any):		NIL				
		ii.	Deviations (if any):		NIL				

LSCN-7023



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7025	DISPATCH DATE				17.07.2017
2.	Railway	NWR	Type	LWSCN1	Coach No.	17215	
3.	Booked to		SSE/C&W/BKN				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1102	1105		
	v)	Buffer/CBC (Make)	SANROK	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	GS	88/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	i	BRAKE EQUIPMENT	FAIVELEY				
	ii	SEAT & BERTH	OVPL				
	iii	BODY SIDE DOORS	JBM				
	iv	WATER TANKS	RAIL FAB, SHIVALIK				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL				
	viii	VESTIBULE SLIDING DOOR	KALSI				
		BIO TOILET	RAIL TECH				
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176508509

11. Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
		7025	NWR	LWSCR	17215/C	15-JUL-17			
11.1 Wheel & Axle Details:									
i.	Bogie No.	176508			176509				
ii.	Frame No.	FIAT-5711			FIAT-5710				
iii.	Bolster No.	P-7026			P-7017				
iv.	Axle No.	N-0405		R-3586	R-3698	S-3603			
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	917.00	917.00	916.00	916.50	916.00	916.00
vii.	Wheel Disc No.	00125-6105	00067-6176	00122-6194	00163-6191	00109-6202	00077-6044	00123-6220	00030-6223
viii.	RB Nos.	02163	02896	09245	03093	00106	03253	08776	08596
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-17-04-060	FSK-17-04-040	FSK-17-04-078	FSK-17-04-045	FSK-17-04-023	FSK-17-04-04	FSK-17-04-018	FSK-17-04-091
ii.	Ht. at lest load	513.00	469.00	513.50	472.00	514.00	468.00	513.00	471.00
iii.	Align. deviation	8.00	7.00	10.00	11.00	9.00	8.00	10.00	10.00
Items traceability:									
11.3		Sno. Item				Make			
i.	Primary Outer Spring	FSK-17-03			FSK-17-03		FSK		
ii.	Primary inner Spring	GBD-16-12			GBD-16-12		GBD		
iii.	Primary Damper	34515, 32543, 32623, 33939			34037, 33999, 32619, 33906		KONI		
iv.	Secondary Damper	093, 100			0512, 0436		GEREP		
v.	Lateral Damper	0163			0151		GABRIEL		
vi.	Break cylinder & Caliper	B17075, B17088, B17072, B17065			B17128, B17205, B17113, B17204		FTI		
vii.	Break Disc						FTI		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						MGN		
xiii.	Lateral Bump stop						GMT		
xiv.	Traction center make						EMSON		
xv.	Traction lever make						SARITA		
xvi.	Ball joint traction lever						MGN		
xvii.	Traction center elastic						SGA		
xviii.	Secondary rubber pad						TECSPAK		
xix.	Rubber spring						GMT		
xx.	Anti roll bar make						EMSON		
xxi.	Ball joint roll link						SARITA		
xxii.	FORK make						RNG		
11.4		i. Modification/Trail (if any):		NIL					
		ii. Deviations (if any):		NIL					

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