



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 2

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6010	DISPATCH DATE				09.06.2017
2.	Railway	SCR	Type	LWSCZ	Coach No.	17621	
3.	Booked to	SSE/C&W/BZA					
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	86/89		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT			FAIVELEY		
	iii.	BIO TOILET			RAIL TECH, JSL		
	iv.	SEAT & BERTH			ADVANCE		
	v.	BODY SIDE DOORS			JVR		
	vi.	SALOON COMPTT DOORS			--		
	vii.	VESTIBULE SLIDING DOOR			HP		
	viii.	WATER TANKS			RAIL FAB		
	ix	UIC VESTIBULE			SSIPL		
	x	LUGGAGE RACK			RAIL TECH		
	XI	FLOOR BOARD			TWPL		
	XII	PVC			RESPONSIVE		
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			
			6010	SCR	LWFAC	17621	22-04-2017			
11.1	Wheel & Axle Details:									
	i.	Bogie No.	176376			176377				
	ii.	Frame No.	ECBT-061			ECBT-049				
	iii.	Bolster No.	6818-P			6852-GT				
	iv.	Axle No.	W-9580		W-3505		R-2365		W-2355	
	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.	00080/6221	00119/6192	00104/6198	00100/6186	00130/7257	00034/7259	00168/7251	00023/6204
	viii.	R.B. Nos.	77256	77192	77196	77417	76634	76142	78837	76643
	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-17-02-105	GBD-16-10-94	FSK-17-02-69	GBD-16-10-266	FSK-17-01-61	GBD-16-10-241	FSK-17-02-117	GBD-16-10-303	
ii.	Ht. at test load	512	468	512	468	510	468	512	466	
iii.	Align .deviation	11	12	9	12	11	12	8	11	
11.3	Items traceability:									
	Sno.	Item					Make			
	i.	Primary Outer Spring			FSK-17-1		FSK-17-1		FSK	
	ii.	Primary inner Spring			L&S-13-2		L&S-13-2		L&S	
	iii.	Primary Damper			37937,37964,37607,37749		37957,37786,37654,37936		KONI	
	iv.	Secondary damper			0643,0682		0794,0790		SV	
	v.	Lateral Damper			0326		0026		SV	
	vi.	Brake cylinder & Caliper			L16262/600,N16013/600 M16226/600,M16610/600		M16400/600,N16087/600 M16399/600,N16074/600		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				

LWSCZ-6010



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Rail Coach Factory , Kapurthala

Page 1 of 2

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6013	DISPATCH DATE				15.06.2017
2.	Railway	SCR	Type	LWSCZ	Coach No.	17622	
3.	Booked to	SSE/C&W/BZA					
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	87/89		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT		FAIVELEY			
	iii.	BIO TOILET		RAIL TECH, JSL			
	iv.	SEAT & BERTH		ADVANCE			
	v.	BODY SIDE DOORS		JVR			
	vi.	SALOON COMPTT DOORS		--			
	vii.	VESTIBULE SLIDING DOOR		HP			
	viii.	WATER TANKS		RAIL FAB			
	ix	UIC VESTIBULE		SSIPL			
	x	LUGGAGE RACK		RAIL TECH			
	XI	FLOOR BOARD		TWPL			
	XII	PVC		RESPONSIVE			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176450456

11. Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
		6013	SCR	LWSCE	17622/C	15-JUN-17			
11.1 Wheel & Axle Details:									
i.	Bogie No.	176450			176456				
ii.	Frame No.	FIAT-5678			FIAT-5623				
iii.	Bolster No.	GI-6986			GI-6978				
iv.	Axle No.	W-3123		W-3160	R-3480	W-2565			
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.	00133-6177	00186-6177	00052-6187	00174-6177	00169-6188	00004-6131	00163-6177	00151-6136
viii.	RB Nos.	08364	08771	08657	09041	02054	02001	01875	02872
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-17-02-072	GBD-16-12-079	FSK-17-02-079	GBD-16-12-109	FSK-17-02-015	GBD-16-12-068	FSK-17-02-049	GBD-16-12-085
ii.	Ht. at lest load	509.00	468.00	507.00	467.00	512.00	466.00	512.00	468.00
iii.	Align. deviation	10.00	9.00	7.00	9.00	7.00	11.00	8.00	11.00
Items traceability:									
11.3		Sno. Item				Make			
i.	Primary Outer Spring	FSK-17-03			FSK-17-03		FSK		
ii.	Primary inner Spring	GF-12-06			GF-12-06		GF		
iii.	Primary Damper	37273, 36962, 36965, 37145			37455, 36989, 37189, 37187		KONI		
iv.	Secondary Damper	0835, 0857			0845, 0836		KNORR		
v.	Lateral Damper	0352			0154		SV		
vi.	Break cylinder & Caliper	16093,16014, 16097,16013			16094,16111, 16096,16107		FTI		
vii.	Break Disc						FTI 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						MGN		
xiv.	Traction center make						EMSON		
xv.	Traction lever make						APW		
xvi.	Ball joint traction lever						MGN		SGA
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			

LWSCZ-6013