



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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रोलिंग स्टॉक प्रमाण-पत्र

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

| | | | | | | | |
|-----|---|--------------------------------|--|--------------------------------|---------------------|------------|-------|
| 1. | SHELL No. | 6022 | DISPATCH DATE | | | 31.03.2017 | |
| 2. | Railway | NR | Type | LWLRRM | Coach No. | 17851 | |
| 3. | Booked to | SSE/C&W/GBD | | | | | |
| 4. | Tare Weight of Coach | 53.4 T | | | | | |
| 5. | Carrying Capacity | Seating | NIL | Sleeping | NIL | Luggage | 3.9 T |
| 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) | 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 | APEX | 86 | | |
| | 8.2 | APPLICATION OF PCN-123 | SATISFACTORY | | | | |
| | 8.3 | INSUALTION | SATISFACTORY | | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | KBI | | | |
| | iii. | CDTS | | RAIL TECH | | | |
| | iv. | SEATS/S&B | | AAR KAY FOAMS | | | |
| | v. | BODY SIDE DOOR | | JVR | | | |
| | vi. | VESTIBULE SLIDING DOOR | | KALSI | | | |
| | vii. | CREW-GEN & GUARD ROOM DOOR | | JBM/JBM | | | |
| | viii. | WATER TANKS | | KUTEER & SHIVALIK | | | |
| | ix | FUEL TANK | | GAURAV | | | |
| | x | UIC VESTIBULE | | KRP | | | |
| | XI | FLOOR BOARD | | OVPL | | | |
| | XII | PVC | | RESPONSIVE | | | |
| 10. | | | | | | | |
| | 10.1 | Modification / Trail (if any): | | | NIL | | |
| | 10.2 | Deviations if any: | | | NIL | | |



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|--------------------|---|--------------------------------|------------------------------------|---------------|--|--------------|--|------------------------------|-------------|------------|---------------|--|
| 11. | Bogie Details: | | Shell No. | | Railway | | Type | | Coach No. | | Dispatch Date | |
| | | | 6022 | | NR | | LWLRRM | | 173851 | | 08-09-2016 | |
| 11.1 | Wheel & Axle Details: | | LPC-I PP Side(Guard) | | | | | LPC-II NPP Side (Non guard) | | | | |
| | i. | Bogie No. | 166774 | | | | | 166775 | | | | |
| | ii. | Frame No. | FIAT-5124 | | | | | FIAT-5143 | | | | |
| | iii. | Bolster No. | 6135-P | | | | | 6139-P | | | | |
| | iv. | Axle No. | K-2731 | | N-6567 | | K-6402 | | N-6418 | | | |
| | v. | Wheel Dia. | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 917.00 | 917.00 | | |
| | vi. | Wheel Disc No. | 08037-6QL5 | 02238-6QG6 | 03190-6QL7 | 03240-6QL7 | 03549-6QG8 | 03041-6QH4 | 02178-6QG6 | 02177-6QH6 | | |
| | vii. | R.B. Nos. | 01371 | 01616 | 02003 | 02463 | 02499 | 01347 | 03462 | 03378 | | |
| | 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. | RSK-15-11-024 | RSK-15-11-167 | RSK-15-11-198 | RSK-15-11-022 | RSK-16-5-341 | DN-16-5-447 | RSK-16-5-366 | DN-16-3-369 | | | |
| ii. | Ht. at test load | 511 | 468 | 510 | 469 | 510 | 467 | 512 | 469 | | | |
| iii. | Align .deviation | 4 | 17 | 2 | 15 | 9 | 17 | 10 | 18 | | | |
| 11.3 | Items traceability: | | | | | | | | | | | |
| | Sno. | Item | | | PP Side Bogie | | NPP side Bogie | | Make | | | |
| | i. | Primary Outer Spring | | | RSK-15-5 | | RSK-15-5 | | RSK | | | |
| | ii. | Primary inner Spring | | | L&S-15-11 | | L&S-15-11 | | L&S | | | |
| | iii. | Primary Damper | | | 3246,1798,3080,0458 | | 2978,2880,3176,3206 | | KNORR | | | |
| | iv. | Secondary damper | | | 0326,0076 | | 0467,0400 | | SV | | | |
| | v. | Lateral Damper | | | 314 | | 319 | | SV | | | |
| | vi. | Yaw Damper | | | | | | | NIL | | | |
| | vii. | Brake cylinder & Caliper | | | 4316/260,3837/261 4315/260,3770/261 | | 4313/261,4205/261 4314/261,4204/261 | | 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 | | | |
| | xiv. | Traction centre elastic | | | | | | | GMT | | | |
| | xv. | Secondary rubber pad | | | | | | | TECSPAK | | | |
| | xvi. | Rubber spring | | | | | | | GMT | | | |
| | xvii. | Anti roll bar make | | | | | | | SARITA | | | |
| | xviii. | Ball joint roll link | | | | | | | SARITA | | | |
| | xix. | Fork make | | | | | | | SARITA | | | |
| 11.4 | i. | Modification / Trial (if any): | | | | | NIL | | | | | |
| | ii. | Deviations (if any): | | | | | NIL | | | | | |

LPC-6022

