



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

| | | | | | | | |
|-----|---|--------------------------------|--|--------------------------------|---------------------|---------|------------|
| 1. | SHELL No. | 5034 | DISPATCH DATE | | | | 30.01.2016 |
| 2. | Railway | CR | Type | LWCBAC | Coach No. | 15810 | |
| 3. | Booked to | SSE/C&W/CST/M | | | | | |
| 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 | 1102 | | |
| | v) | Buffer/CBC (Make) | ESCORTS | 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 | 88/89 | | |
| | 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 | | | | |
| | iii. | SEATS/ BERTHS | AAR KAY FOAMS | | | | |
| | iv. | BODY SIDE DOOR | SUKATA | | | | |
| | v. | VESTIBULE SLIDING DOOR | KALSI | | | | |
| | vi. | SALOON DOOR | HP | | | | |
| | vii. | WATER TANKS | E C BLADES, KUTEER, SHIVALIK & MANOJ | | | | |
| | viii. | UIC VESTIBULE | SUNCREAST | | | | |
| | 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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|--------------------|---|--------------------------------|------------------------------------|--------------------|--|--------------------|--------------|--|------------------|--------------|----------------------|--------|
| 11. | Bogie Details: | | Shell No. | | Railway | | Type | | Coach No. | | Dispatch Date | |
| | | | 5034 | | CR | | LWSCZ | | 15810/C | | 22-12-2015 | |
| 11.1 | Wheel & Axle Details: | | PP Side | | | | | | NPP Side | | | |
| | i. | Bogie No. | 156960 | | | | | | 156968 | | | |
| | ii. | Frame No. | FIAT-4006 | | | | | | FIAT-4504 | | | |
| | iii. | Bolster No. | 5335-P | | | | | | 4943-VT | | | |
| | iv. | Axle No. | 114118/374 | | 128757/990 | | 128359/991 | | 126246/471 | | | |
| | v. | Wheel Dia. | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 | 916.00 |
| | vi. | Wheel Disc No. | 07301-00163 | 6226-00212 | 07301-00040 | 06234-00218 | 6227-00113 | 6227-00194 | 6225-00056 | 6211-00046 | | |
| | vii. | R.B. Nos. | 02032 | 02409 | 04902 | 05088 | 01133 | 01572 | 02653 | 01485 | | |
| | 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 | Outer | Inner | |
| i. | Make & nos. | DN-12-6-1892 | DN-12-6-1568 | DN-12-6-1503 | DN-12-6-1542 | DN-12-5-1606 | DN-12-6-1521 | DN-12-5-1601 | DN-12-6-1466 | | | |
| ii. | Ht. at test load | 504 | 463 | 505 | 460 | 502 | 458 | 504 | 466 | | | |
| iii. | Align .deviation | 17 | 5 | 17 | 7 | 17 | 6 | 17 | 6 | | | |
| 11.3 | Items traceability: | | | | | | | | | | | |
| | Sno. | Item | | | PP Side Bogie | | | NPP side Bogie | | | Make | |
| | i. | Primary Outer Spring | | | L&S-13-3 | | | L&S-13-3 | | | L&S | |
| | ii. | Primary inner Spring | | | G-12-6 | | | L&S-13-2 | | | GF,L&S | |
| | iii. | Primary Damper | | | 1619,1519,1597,1571 | | | 1233,1263,1083,1229 | | | GEREP | |
| | iv. | Secondary damper | | | 1615,1357 | | | 1527,1501 | | | GEREP | |
| | v. | Lateral Damper | | | 386 | | | 83 | | | GEREP | |
| | vi. | Yaw Damper | | | | | | | | | NIL | |
| | vii. | Brake cylinder & Caliper | | | L15043/600,L15005/600 L15042/600,L15201/600 | | | K15171/600,K15194/600 K15170/600,K15196/600 | | | FTI | |
| | viii. | Brake Disc | | | | | | | | | KBI,FTI | |
| | ix. | Ball joint Control arm | | | | | | | | | MGN | |
| | x. | Lateral Bump stop | | | | | | | | | MGN | |
| | xi. | Traction center make | | | | | | | | | SARITA,EMSON | |
| | xii. | Traction lever make | | | | | | | | | SARITA | |
| | xiii. | Ball joint traction lever | | | | | | | | | MGN,SGA | |
| | xiv. | Traction centre elastic | | | | | | | | | GMT | |
| | xv. | Secondary rubber pad | | | | | | | | | TESPAK | |
| | xvi. | Rubber spring | | | | | | | | | GMT | |
| | xvii. | Anti roll bar make | | | | | | | | | EMSON | |
| | xviii. | Ball joint roll link | | | | | | | | | SARITA | |
| | xix. | Fork make | | | | | | | | | EMSON | |
| 11.4 | i. | Modification / Trial (if any): | | | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | | | NIL | | | | |

LWCBAC-5034