



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

| | | | | | | | |
|-----|---|--------------------------------|--|---|---------------------|--------------------|-----------------|
| 1. | SHELL No. | 6050 | DISPATCH DATE | | | | 08.08.17 |
| 2. | Railway | NR | Type | LWSCZAC | Coach No. | 163189 | |
| 3. | Booked to | SSE/C&W/NDLS | | | | | |
| 4. | Tare Weight of Coach | 40.28 T | | | | | |
| 5. | Carrying Capacity | Seating | 78 | 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 | 1094 | 1096 | | |
| | v) | CBC (Make) | ESCORT | 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 | 88/89 | | |
| | 8.2 | APPLICATION OF PCN-123 | SATISFACTORY | | | | |
| | 8.3 | INSUALTION | SATISFACTORY | | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| | i. | BRAKE EQUIPMENT | | KBI | | | |
| | iii. | BIO-TOILET | | RAIL FAB | | | |
| | iv. | SEAT & BERTH | | ADVANCE SILICON | | | |
| | v. | BODY SIDE DOORS | | SUKATA | | | |
| | vi. | SALOON COMPTT DOORS | | KALSI | | | |
| | vii. | VESTIBULE SLIDING DOOR | | HP | | | |
| | viii. | WATER TANKS | | (AUX)RAIL FAB & (U/S) SHIVALIK | | | |
| | ix | UIC VESTIBULE | | ESCORT | | | |
| | 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: 176602605

| | | | | | | | | | |
|-------------|---|------------------------------------|----------------------------|-------------------|----------------------------|-------------------|----------------------|-------------------|---------------|
| 11. | Bogie Details: | | Shell No. | Railway | Type | Coach No. | Dispatch Date | | |
| | | | 6050 | NR | LWSCEAC | 163189/C | 08-AUG-17 | | |
| 11.1 | Wheel & Axle Details: | | | | | | | | |
| i. | Bogie No. | 176602 | | | | 176605 | | | |
| ii. | Frame No. | FIAT-5770 | | | | FIAT-5727 | | | |
| iii. | Bolster No. | P-7108 | | | | P-6958 | | | |
| iv. | Axle No. | W-7962 | | S-9929 | | V-1935 | | N-5782 | |
| 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. | 00053-6217 | 00146-6217 | 00047-6221 | 00158-6221 | 00146-6221 | 00036-6047 | 00185-6244 | 00111-6221 |
| viii. | RB Nos. | 01152 | 08411 | 04790 | 04788 | 04351 | 04690 | 04424 | 04435 |
| 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. | RSK-16-06-980 | FSK-16-11-087 | RSK-16-06-406 | FSK-16-11-052 | RSK-16-10-393 | GBD-17-04-064 | RSK-16-10-331 | GBD-17-04-039 |
| ii. | Ht. at lest load | 510.00 | 467.00 | 512.00 | 468.00 | 507.00 | 467.00 | 507.00 | 468.00 |
| iii. | Align. deviation | 10.00 | 7.00 | 11.00 | 7.00 | 8.00 | 10.00 | 9.00 | 10.00 |
| | 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 | | 36824, 36868, 36948, 36791 | | 36830, 37051, 37104, 37064 | | KONI | | |
| iv. | Secondary Damper | | 187, 190 | | 194, 189 | | GABRIEL | | |
| v. | Lateral Damper | | 239 | | 235 | | GABRIEL | | |
| vi. | Break cylinder & Caliper | | 6666, 6660, 6654, 6649 | | 6667, 6653, 6668, 6650 | | KBI | | |
| vii. | Break Disc | | | | | | FTI | | |
| 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 | | | | | | EMSON | | |
| 11.4 | i. Modification/Trail (if any): | | NIL | | | | | | |
| | ii. Deviations (if any): | | NIL | | | | | | |

LWSCZAC-6050