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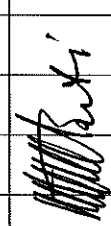
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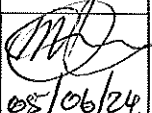




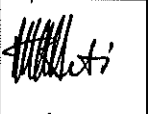



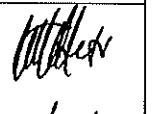

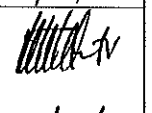

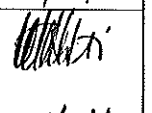
APPLICATION REFERENCE




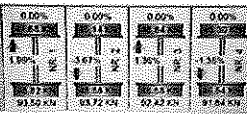
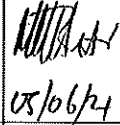
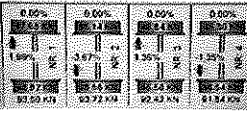


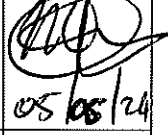

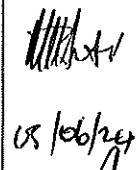
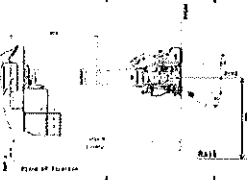
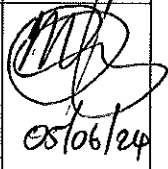
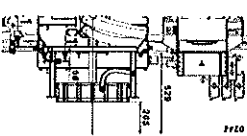
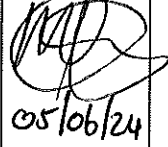
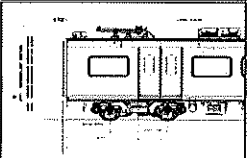
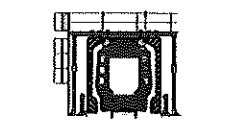
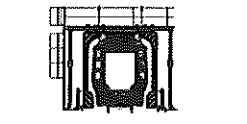

| MOUNTING | DESCRIPTION | STATION | CAR TYPE | | | | | | WORK INSTRUCTION | SAFETY ?  |
|--------------------------|---------------|---|----------|----|----|----|----|-----|------------------|--|
| | | | TC1 | M4 | M1 | M2 | M3 | TC2 | | |
| <input type="checkbox"/> | DTR3-PROCE-14 | LEVELLING, WEIGHTING AND BALANCING M CAR | FT1140 | 1 | 1 | 1 | 1 | | PRA.FT1140.04 | YES |
| <input type="checkbox"/> | DTR3-PROCE-14 | LEVELLING, WEIGHTING AND BALANCING TC CAR | FT1140 | 1 | | | | 1 | PRA.FT1140.05 | YES |
| <input type="checkbox"/> | DTR3-PROCE-17 | LEVELLING, WEIGHTING AND BALANCING TC CAR | FT1140 | 1 | 1 | 1 | 1 | 1 | PRA.FT1140.05 | YES |
| <input type="checkbox"/> | DTR3-PROCE-17 | LEVELLING, WEIGHTING AND BALANCING TC CAR | FT1140 | 1 | 1 | 1 | 1 | 1 | PRA.FT1140.05 | YES |
| <input type="checkbox"/> | | | | | | | | | | |
| <input type="checkbox"/> | | | | | | | | | | |
| <input type="checkbox"/> | | | | | | | | | | |

| REV | DATE | MODIFICATION CONTENT | RESPONSIBLE | NAME | DATE |
|-----|-----------|---|-------------|----------------------|-----------|
| 7 | 2/11/2020 | UPDATE OF AIR TIGHTNESS TEST TIME FROM 4 MIN TO 5 MIN. ADD PANTOGRAPH AIR TIGHTNESS. | APPROVER | GIVEN SILOWA | 2/11/2020 |
| | | | CHECKER | SIMON MOKOENA | 2/11/2020 |
| | | | COMPILER | COMFORT MALATJI | 2/11/2020 |
| 8 | 9/13/2021 | ADDING GAUGE MEASUREMENT CHECK ON THE SI. | APPROVER | MAKOFANE LUCY | 9/13/2021 |
| | | | CHECKER | RATAU EDISON | 9/13/2021 |
| | | | COMPILER | TSAKANI KHOSA | 9/13/2021 |
| 9 | 5/31/2022 | pressure valve (APV) Isolation | APPROVER | MAKHURUPETJI THABANG | 5/31/2022 |
| | | | CHECKER | HAZEL MGIBA | 5/31/2022 |
| | | | COMPILER | RATAU EDISON | 5/31/2021 |

| TUE | CAR | OPERATOR NAME | DATE | SELF INSPECTION NUMBER | PAGES |
|-------|-----|---------------|----------|------------------------|-------|
| TS228 | TC1 | R. Momo | 05/06/24 | SI.FT1140.52 | 01/08 |

| | | | | | | | | | | | |
|---|---------------------------------------|------|--|----------------------|--------------|-----|---|--------|----|-----|----------------|
|  | SELF INSPECTION INDUSTRIAL QUALITY | | Rev:09 | Projet: PRASA | SI.FT1140.52 | | | | | | |
| | | | Date: | | | | | | | | |
| | | | 5/31/2022 | | | | | | | | |
| Car: | | NCR: | | Work Station: FT1140 | | | | | | | |
|  Safety Related | | | | | | | | | | | |
| I - Document and Instrument Control | | | | | | | | | | | |
| I.1 - Documents control | | | | | | | | | | | |
| Document | T01 | M1 | M2 | M3 | M4 | T02 | Revision | Remark | OK | Not | Signature/Date |
| PRA.FT1140.04 | ✓ | | | | | | | | ✓ | | 05/06/24 |
| PRA.FT1140.05 | | | | | | | | | | | |
| PRA.FT1140.05 | | | | | | | | | | | |
| I.2 - Instruments Control - Monitoring and Measuring Instrument Control (Used for all Instrument with calibration needed) | | | | | | | | | | | |
| Instruments description | Serial number | | Calibration or Verification Validation Date | | OK | Not | Signature/Date | | | | |
| Measuring tape | GIBTA 0281 | | 26/10/23 - 26/10/24 | | ✓ | |  05/06/24 | | | | |
| Vernier calliper | GIBVR 0050 | | 06/08/23 - 06/08/24 | | ✓ | | | | | | |
| Torque wrench 530N.M | A 96 80063 | | 19/12/23 - 19/12/24 | | ✓ | | | | | | |
| Torque wrench 320N.M | A 96 90019 | | 19/12/23 - 19/12/24 | | ✓ | | | | | | |
| Torque wrench 160N.M | B7217566 | | 21/12/23 - 21/12/24 | | ✓ | | | | | | |
| Torque wrench 35N.M | D2861023 | | 21/12/23 - 21/12/24 | | ✓ | | | | | | |
| Torque wrench 17N.M | D28 61617 | | 19/12/23 - 19/12/24 | | ✓ | | | | | | |

|  | <h1 style="text-align: center;">SELF INSPECTION INDUSTRIAL QUALITY</h1> | | Rev:09 | Project: PRASA | SI.FT1140.52 | | | | | | | | | |
|---|---|--|--|-----------------------|--------------|---|----|-------------|----|---------|--|---|--|---|
| | | | Date: | | | | | | | | | | | |
| | | | 5/31/2022 | | | | | | | | | | | |
| II - Self Inspection - Items to Check | | | | | | | | | | | | | | |
| II.1 - Items to Check | | | | | | | | | | | | | | |
| Item | Picture/Sketch | Description | Criteria/Record | OK | NOT OK | Signature/Date | | | | | | | | |
| 01 |  | Ensure that the average pressure valve (APV) is isolated by capping the two input pipes at the fittings installing the blanking fitting on the pipes highlighted | | ✓ | |  05/06/24 | | | | | | | | |
| 02 | | Check underframe pipe system Air tightness Test performance according to WI PRASA FT1130.15. | The test was performed and no leak was observed. Initial pressure (IP) 10,01 bar Final pressure (FP) 9,99 bar FP - IP = 0,02 bar APPROVAL CRITERIA: After 5 minutes the pressure cannot drops more than 0,2 bar | ✓ | |  05/06/24 | | | | | | | | |
| 03 |  | Movement performed at least 50m to shudder the car. And position on the leveled load cell, with wheels on the center. | | ✓ | |  05/06/24 | | | | | | | | |
| 04 |  | Measurement inspection was done with car on condton AWD and the rail leveled. (The load cells system must be leveled and calibrated) | Calibration Validation Date _ / _ / _ | ✓ | |  05/06/24 | | | | | | | | |
| 05 |  | In case of the equipments not installed, equivalent weight of the item should be added in the same place to simulate the equipment. (Any simulated weight, add on pending list) | <table border="1"> <thead> <tr> <th>EQUIPMENT DESCRIPTION</th> <th>WEIGHT (kg)</th> </tr> </thead> <tbody> <tr> <td>Driver Seat</td> <td>60</td> </tr> <tr> <td>umpen motor</td> <td>10</td> </tr> <tr> <td>+ blade</td> <td></td> </tr> </tbody> </table> | EQUIPMENT DESCRIPTION | WEIGHT (kg) | Driver Seat | 60 | umpen motor | 10 | + blade | | ✓ | |  05/06/24 |
| EQUIPMENT DESCRIPTION | WEIGHT (kg) | | | | | | | | | | | | | |
| Driver Seat | 60 | | | | | | | | | | | | | |
| umpen motor | 10 | | | | | | | | | | | | | |
| + blade | | | | | | | | | | | | | | |
| 06 |  | The pressure difference between air spring on each bogie when raise the pressure was maintained < 0.3 bar. | | ✓ | |  05/06/24 | | | | | | | | |
| 07 |  | Measuremet recorded with empty suspension and loaded are on conformity with tolerances of the project | | ✓ | |  05/06/24 | | | | | | | | |
| 08 |  | All leveling measurements are according to the reference. (Values out of reference must be recorded on "Description of defects") | | ✓ | |  05/06/24 | | | | | | | | |

|  | | SELF INSPECTION INDUSTRIAL QUALITY | | Rev:09 | Projet: PRASA | SI.FT1140.52 |
|---|---|---|--|---|------------------|---|
| | | | | Date: 5/31/2022 | | |
| 09 |  | | Check that the leveling rods are torqued and have torque marker. | | ✓ |  05/06/24 |
| 10 |  | | The difference of weight between the left and right wheels of each axis, must be $\leq 4\%$. (Verify on the T&C equipment if all arrows are in green). | | ✓ |  05/06/24 |
| 11 |  | | Remove the car, move back onto the load cells and repeat the step 09. Confirm if both are in the tolerance of $\leq 4\%$. | | ✓ |  05/06/24 |
| 12 |  | | 1 - Record shims thickness used on rod. 2 - All screws were torqued and have torque marker. | THICKNESS (mm) I 88 II 88 III 88 IV 88 | ✓ |  05/06/24 |
| 13 |  | | Pivot location | 1- M20 x 90 screws with application of torque according to PRA FT1140.04 / 05 | ✓ |  05/06/24 |
| 14 |  | | FOR TC CARS F= Height of the center of Automatic coupler F = 895mm (+5/-10mm) (Using levelled rail) | TC CAB #1= 896 mm | ✓ |  05/06/24 |
| 15 |  | | FOR TC CARS Height of Eurobaise Antenna = 205mm (+/-10mm) (Using levelled rail) | TC CAB #1= 196 mm | ✓ |  05/06/24 |
| 16 |  | | Check pantograph piping air tightness. Test performance according to WI PRA FT1140.17. | The test was performed and no leak was observed. -Roof piping connection fittings. -Room piping connection fittings (Roof arch and door trimming) | | M/A |
| 17 |  | | Pantograph does not come in contact with the higher height gauge when passing through. | No Contact with Pantograph and Gauge -GO Contact with Pantograph and Gauge - NO GO | | M/A |
| 18 |  | | Car does not come into contact with the gauge. | No Contact with Car and Gauge -GO Contact with Car and Gauge - NO GO | ✓ |  05/06/24 |



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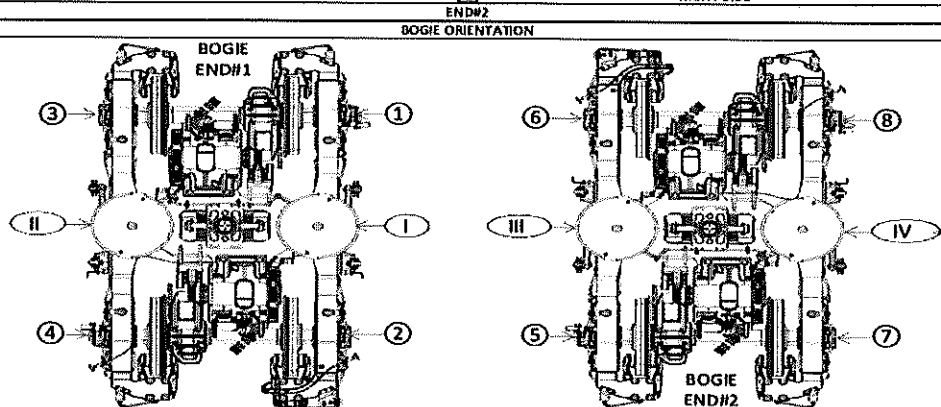
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DRAFT TO MEASUREMENTS DURING LEVELLING (ALL UNITS MUST BE IN mm/bar/kg)

| DESCRIPTION | TOLERANCE | LEFT SIDE | | | | | | RIGHT SIDE | | | | | |
|------------------------------------|----------------------|-----------|---|---|------|------|------|------------|------|------|---|---|------|
| | | 6 | 5 | 4 | 3 | 2 | 1 | 1 | 2 | 3 | 4 | 5 | 6 |
| AIR SPRING HEIGHT (EMPTY) | N/A | A'II | | | | | | | | | | | A'I |
| AIR SPRING HEIGHT (FULL) | min 254 max 261 | AII | | | 260 | 259 | 257 | 253 | 254 | 256 | | | AI |
| FLOOR COVERING HEIGHT | min 1096 max 1116 | EII | | | 1103 | 1104 | 1102 | 1095 | 1096 | 1100 | | | EI |
| AIR SPRING PRESSURE | ± 0.3 (Ci - Ci) | CII | | | 3,60 | 3,61 | 3,53 | 3,60 | 3,67 | 3,40 | | | CI |
| PRIMARY SUSPENSION | SEE TABLE (ONLY REF) | D3 | | | | | | | | | | | D1 |
| PRIMARY SUSPENSION | SEE TABLE (ONLY REF) | D4 | | | | | | | | | | | D2 |
| PIVOT VERTICAL GAP | min 25 max 32 | KII | | | | | | | | | | | KI |
| PIVOT LATERAL STOP GAPS DIFFERENCE | ≤ 4 (Ai - Ai) | JII | | | | | | | | | | | JI |
| QTY OF TURNS OF LEVELLING ROD | N/A | XII | | | | 6 | 1/2 | 1/2 | 1/2 | 1/2 | | | XI |
| SHIMS OF ANTI-ROLL BAR | N/A | YII | | | | | | | | | | | YI |
| AIR SPRING HEIGHT (EMPTY) | N/A | A'III | | | | | | | | | | | A'IV |
| AIR SPRING HEIGHT (FULL) | min 254 max 261 | AIII | | | 255 | 256 | 255 | 251 | 254 | 255 | | | AIV |
| FLOOR COVERING HEIGHT | min 1096 max 1116 | EIII | | | 1107 | 1110 | 1109 | 1093 | 1096 | 1101 | | | EIV |
| AIR SPRING PRESSURE | ± 0.3 (Cv - Cv) | CIII | | | 2,83 | 2,84 | 2,86 | 2,78 | 2,86 | 2,83 | | | CIV |
| PRIMARY SUSPENSION | SEE TABLE (ONLY REF) | D5 | | | | | | | | | | | D7 |
| PRIMARY SUSPENSION | SEE TABLE (ONLY REF) | D6 | | | | | | | | | | | D8 |
| PIVOT VERTICAL GAP | min 25 max 32 | KIII | | | | | | | | | | | KIV |
| PIVOT LATERAL STOP GAPS DIFFERENCE | ≤ 4 (Av - Av) | JIII | | | | | | | | | | | JIV |
| QTY OF TURNS OF LEVELLING ROD | N/A | XIII | | | | 6 | 1/2 | 1/2 | 1/2 | 1/2 | | | XIV |
| SHIMS OF ANTI-ROLL BAR | N/A | YIII | | | | | | | | | | | YIV |

| COMPARE EACH TENTATIVE WITH THE TOLERANCE AND IDENTIFY EACH MEASURE AS BELOW | | |
|--|-------|--------|
| GOOD | LOWER | HIGHER |
| ✓ | ↓ | ↑ |
| WEIGHT COMPENSATION | | |
| EQUIPMENT | | |
| WEIGHT | | |
| EQUIPMENT | | |
| WEIGHT | | |
| SECONDARY MEASUREMENTS (ONLY TC CARS) | | |
| AUTOMATIC COUPLER HEIGHT | | |
| ANTENNA HEIGHT | | |





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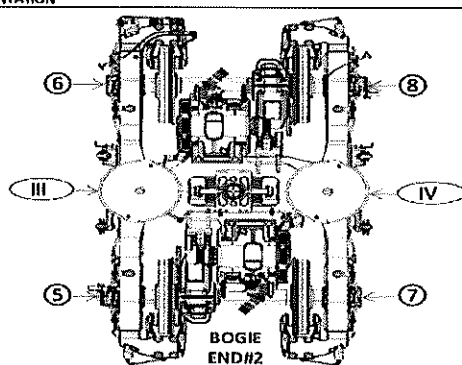
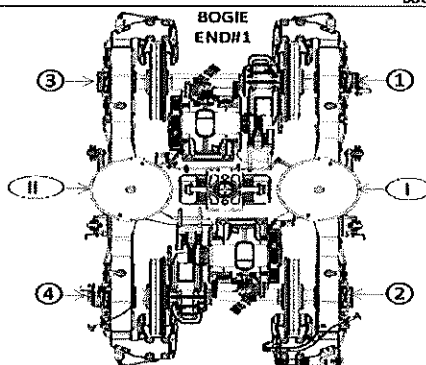
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DRAFT TO MEASUREMENTS DURING LEVELLING (ALL UNITS MUST BE IN mm/bar/kg)

| DESCRIPTION | TOLERANCE | END#1 | | | | | | | | | | | | END#2 | | | | | |
|------------------------------------|----------------------|-----------|---|---|---|---|---|------------|---|---|---|---|---|-----------|---|---|---|---|---|
| | | LEFT SIDE | | | | | | RIGHT SIDE | | | | | | LEFT SIDE | | | | | |
| | | 6 | 5 | 4 | 3 | 2 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 6 | 5 | 4 | 3 | 2 | 1 |
| AIR SPRING HEIGHT (EMPTY) | N/A | A'II | | | | | | | | | | | | A'IV | | | | | |
| AIR SPRING HEIGHT (FULL) | min 254 max 261 | AI | | | | | | | | | | | | AIV | | | | | |
| FLOOR COVERING HEIGHT | min 1096 max 1116 | EI | | | | | | | | | | | | EIV | | | | | |
| AIR SPRING PRESSURE | ≤ 0.3 (QI - Q) | CI | | | | | | | | | | | | CIV | | | | | |
| PRIMARY SUSPENSION | SEE TABLE (ONLY REF) | D3 | | | | | | | | | | | | D7 | | | | | |
| PRIMARY SUSPENSION | SEE TABLE (ONLY REF) | D4 | | | | | | | | | | | | D8 | | | | | |
| PIVOT VERTICAL GAP | min 25 max 32 | KII | | | | | | | | | | | | KIV | | | | | |
| PIVOT LATERAL STOP GAPS DIFFERENCE | ≤ 4 (AI - A) | JII | | | | | | | | | | | | JIV | | | | | |
| QTY OF TURNS OF LEVELLING ROD | N/A | XII | | | | | | | | | | | | XIV | | | | | |
| SHIMS OF ANTI-ROLL BAR | N/A | YII | | | | | | | | | | | | YIV | | | | | |
| DESCRIPTION | TOLERANCE | 6 | 5 | 4 | 3 | 2 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 6 | 5 | 4 | 3 | 2 | 1 |
| AIR SPRING HEIGHT (EMPTY) | N/A | A'III | | | | | | | | | | | | A'IV | | | | | |
| AIR SPRING HEIGHT (FULL) | min 254 max 261 | AIII | | | | | | | | | | | | AIV | | | | | |
| FLOOR COVERING HEIGHT | min 1096 max 1116 | EIII | | | | | | | | | | | | EIV | | | | | |
| AIR SPRING PRESSURE | ≤ 0.3 (QIV - QII) | CIII | | | | | | | | | | | | CIV | | | | | |
| PRIMARY SUSPENSION | SEE TABLE (ONLY REF) | D5 | | | | | | | | | | | | D7 | | | | | |
| PRIMARY SUSPENSION | SEE TABLE (ONLY REF) | D6 | | | | | | | | | | | | D8 | | | | | |
| PIVOT VERTICAL GAP | min 25 max 32 | KIII | | | | | | | | | | | | KIV | | | | | |
| PIVOT LATERAL STOP GAPS DIFFERENCE | ≤ 4 (BIV - BII) | JIII | | | | | | | | | | | | JIV | | | | | |
| QTY OF TURNS OF LEVELLING ROD | N/A | XIII | | | | | | | | | | | | XIV | | | | | |
| SHIMS OF ANTI-ROLL BAR | N/A | YIII | | | | | | | | | | | | YIV | | | | | |

| COMPARE EACH TENTATIVE WITH THE TOLERANCE AND IDENTIFY EACH MEASURE AS BELOW | | |
|--|-------|--------|
| GOOD | LOWER | HIGHER |
| ✓ | ↓ | ↑ |
| WEIGHT COMPENSATION | | |
| EQUIPMENT | | |
| WEIGHT | | |
| EQUIPMENT | | |
| WEIGHT | | |
| SECONDARY MEASUREMENTS (ONLY TC CARS) | | |
| AUTOMATIC COUPLER HEIGHT | | |
| ANTENNA HEIGHT | | |





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Table 1 - Reference Values and Measurement Tolerances for the Car Levelling.

| ITEM | | THEORETICAL VALUES | | | | | | | | | | | |
|--|---------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| | | T1 CAR | | M1 CAR | | M2 CAR | | M3 CAR | | M4 CAR | | T2 CAR | |
| | | TBent | TBlnt | MB1 | MB2 | MB1 | MB2 | MB1 | MB2 | MB1 | MB2 | TBent | TBlnt |
| | | ≤4 | ≤4 | ≤4 | ≤4 | ≤4 | ≤4 | ≤4 | ≤4 | ≤4 | ≤4 | ≤4 | ≤4 |
| Pivot lateral stop gap difference [mm] | Fig. 4 | 3,76 | 2,82 | 2,87 | 2,83 | 3,02 | 2,91 | 2,85 | 2,83 | 2,87 | 2,83 | 2,83 | 2,83 |
| Air Spring height [mm] | Fig. 5 | 255 ⁺⁴ ₋₄ | 255 ⁺⁴ ₋₄ | 255 ⁺⁴ ₋₄ | 255 ⁺⁴ ₋₄ | 255 ⁺⁴ ₋₄ | 255 ⁺⁴ ₋₄ | 255 ⁺⁴ ₋₄ | 255 ⁺⁴ ₋₄ | 255 ⁺⁴ ₋₄ | 255 ⁺⁴ ₋₄ | 255 ⁺⁴ ₋₄ | 255 ⁺⁴ ₋₄ |
| Air spring pressure at AWD [Bar] | Fig. 5 | 0,3 | 0,3 | 0,3 | 0,3 | 0,3 | 0,3 | 0,3 | 0,3 | 0,3 | 0,3 | 0,3 | 0,3 |
| Primary Suspension gaps [mm] | Fig. 6 | 35 ⁺² ₋₂ | 35 ⁺² ₋₂ | 35 ⁺² ₋₂ | 35 ⁺² ₋₂ | 35 ⁺² ₋₂ | 35 ⁺² ₋₂ | 35 ⁺² ₋₂ | 35 ⁺² ₋₂ | 35 ⁺² ₋₂ | 35 ⁺² ₋₂ | 35 ⁺² ₋₂ | 35 ⁺² ₋₂ |
| Carbody Floor height [mm] | Fig. 7 | 1106 ⁺¹⁰ ₋₁₀ | 1106 ⁺¹⁰ ₋₁₀ | 1106 ⁺¹⁰ ₋₁₀ | 1106 ⁺¹⁰ ₋₁₀ | 1106 ⁺¹⁰ ₋₁₀ | 1106 ⁺¹⁰ ₋₁₀ | 1106 ⁺¹⁰ ₋₁₀ | 1106 ⁺¹⁰ ₋₁₀ | 1106 ⁺¹⁰ ₋₁₀ | 1106 ⁺¹⁰ ₋₁₀ | 1106 ⁺¹⁰ ₋₁₀ | 1106 ⁺¹⁰ ₋₁₀ |
| Booster height [mm] | Fig. 7 | 850 ⁺²⁵ ₋₂₅ | 850 ⁺²⁵ ₋₂₅ | 850 ⁺²⁵ ₋₂₅ | 850 ⁺²⁵ ₋₂₅ | 850 ⁺²⁵ ₋₂₅ | 850 ⁺²⁵ ₋₂₅ | 850 ⁺²⁵ ₋₂₅ | 850 ⁺²⁵ ₋₂₅ | 850 ⁺²⁵ ₋₂₅ | 850 ⁺²⁵ ₋₂₅ | 850 ⁺²⁵ ₋₂₅ | 850 ⁺²⁵ ₋₂₅ |
| Coupling End height [mm] | Fig. 8 | 895 | 760 | 760 | 760 | 760 | 760 | 760 | 760 | 760 | 760 | 895 | 760 |
| | Fig. 9 | 760 | 760 | 760 | 760 | 760 | 760 | 760 | 760 | 760 | 760 | 760 | 760 |
| Pivot Vertical gap [mm] | Fig. 10 | 30 ⁺²⁵ ₋₅ | 30 ⁺²⁵ ₋₅ | 30 ⁺²⁵ ₋₅ | 30 ⁺²⁵ ₋₅ | 30 ⁺²⁵ ₋₅ | 30 ⁺²⁵ ₋₅ | 30 ⁺²⁵ ₋₅ | 30 ⁺²⁵ ₋₅ | 30 ⁺²⁵ ₋₅ | 30 ⁺²⁵ ₋₅ | 30 ⁺²⁵ ₋₅ | 30 ⁺²⁵ ₋₅ |

| | | | | |
|--|--|-----------|------------------|--------------|
| | <h1 style="margin: 0;">SELF INSPECTION INDUSTRIAL QUALITY</h1> | Rev:09 | Projet: PRASA | SI.FT1140.52 |
| | | Date: | | |
| | | 5/31/2022 | | |

Levelling report from Production (Final measurements after Levelling and Weighting fine)

References for secondary suspension empty
 A'n Air spring height empty

References for secondary suspension full
 An Air spring height
 Bn Difference between measurement A'n and An
 En Floor covering height
 Cn Air spring pressure
 Dn Primary suspension
 Kn Pivot Vertical gap
 Jn Pivot Lateral stop gaps difference

| Item | Reference [mm] | END#1 | | END#2 | |
|---------------|----------------|------------|-----------|-----------|------------|
| | | Right Side | Left Side | Left Side | Right Side |
| A'n | N/A | A'i 238 | A'i 239 | A'ii 242 | A'iv 243 |
| An | 254 to 261 | Ai 256 | Aii 260 | Aiii 255 | Aiv 255 |
| Bn = An - A'n | N/A | Bi 18 | Bii 21 | Biii 13 | Biv 12 |
| En | 1106 ±10 mm | Ei 1100 | Eii 1105 | Eiii 1109 | Eiv 1101 |

| Item | Reference [bar] | END#1 | | END#2 | |
|---------------------|------------------|------------|-----------|-----------|------------|
| | | Right Side | Left Side | Left Side | Right Side |
| Cn | Table 02 (*) | Ci 3.40 | Cii 3.60 | Ciii 2.83 | Civ 2.83 |
| Cn - Cn+1 | Difference ≤ 0,3 | 0,2 | | 0 | |
| Gauge serial number | N/A | GIB05873 | | GIB05873 | |

| Item | Reference [mm] | END#1 | | END#2 | |
|------|----------------|------------|-----------|------------|------------|
| | | Right Side | Left Side | Left Side | Right Side |
| Dn | Table 01 (*) | D1 42.22 | D3 42.04 | D5 44.60 | D7 43.81 |
| | | D2 43.13 | D4 41.58 | D6 43.99 | D8 43.14 |
| Kn | 25 to 45 | 34.83 | | 35.33 | |
| Jn | Difference ≤ 4 | Ji 25.40 | Jii 25.19 | Jiii 26.36 | Jiv 25.56 |

(*) Reference, only include values, isn't approval criteria.

Table 01
D Theoretical Values

| | TC1 | | M4 | | M1 | | M2 | | M3 | | TC2 | |
|----|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | Tbox | TBin | Mb1 | Mb1 | Mb1 | Mb2 | Mb2 | Mb1 | Mb1 | Mb1 | Tbin | Tbox |
| D= | 35 ⁺¹² ₋₅ | 35 ⁺¹² ₋₅ | 35 ⁺¹² ₋₅ | 35 ⁺¹² ₋₅ | 35 ⁺¹² ₋₅ | 35 ⁺¹² ₋₅ | 35 ⁺¹² ₋₅ | 35 ⁺¹² ₋₅ | 35 ⁺¹² ₋₅ | 35 ⁺¹² ₋₅ | 35 ⁺¹² ₋₅ | 35 ⁺¹² ₋₅ |

Table 02
C Theoretical Values

| | TC1 | | M4 | | M1 | | M2 | | M3 | | TC2 | |
|----|------|------|------|------|------|------|------|------|------|------|------|------|
| | Tbox | TBin | Mb1 | Mb1 | Mb1 | Mb2 | Mb2 | Mb1 | Mb1 | Mb1 | Tbin | Tbox |
| C= | 3.76 | 2.82 | 2.87 | 2.83 | 3.02 | 2.81 | 3.07 | 2.85 | 2.83 | 2.87 | 2.83 | 3.76 |

BOGIE ORIENTATION

BOGIE
END#1

BOGIE
END#2

Weighting report from Test and Commissioning (Final measurements after Levelling and Weighting fine)


| | | | | | | | |
|--|--|--|---|--------------------|-------------------------------|-----------|--------------------|
| GIBELQ | SELF INSPECTION INDUSTRIAL QUALITY | Rev:09 | Project: PRASA | SI.FT1140.52 | | | |
| | | Date: | | | | | |
| | | 5/31/2022 | | | | | |
| Item | Description of defects | NOK | KO | Signature/Date | | | |
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| II.2 - Check List REX | | | | | | | |
| Check List Items | | | | | | | |
| Item | Picture/Drawing | Description Description | Critere /Record | SAT | FNUC | Preventif | Signature/Date |
| 01 | N/A | To complete REX | Refer to REX. New defects must be added on the REX | ✓ | | | MURANT 05/06/24 |
| Self Inspection - Final Result | | | | | | | |
| HOLD POINT | Is the car good to advance to the next workstation/process? (Approval of Operations Manager/Team Leader and Industrial Quality) | | DATE | NAME | SIGNATURE | | |
| | GO | If activities are not complete, the missing activities must impact the next stage! | 05/06/24 | MURANT | [Signatures] | | |
| | | Every auto inspection performed conforms to specification or in case of discrepancy the same is approved by the competent party. | | | | | |
| | | Obs: (To describe problems below) | There are non-conformities Impact the quality of the product and there is no corrective action defined yet) | Operations Manager | Industrial Quality | | |
| In case of "NO GO", describe blocking problems | | | | | | | |
| In case of "NO GO", the operations manager must define below action plan to ensure "GO": | | | | | | | |
| Item | Description | Action | Responsible | Status | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Operations Manager / Team Leader | | | | | Quality Manager / Team Leader | | |



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| | |
|---------------|---|
| TRAIN SET 228 | REF: GIB0000001672_J0 PRASA WEIGHT BALANCE EN |
| | PCOB WEIGHING REPORT |

| | | | | | |
|-----|--------------------------------------|------------------------|-------------------------|----------------------------|---------------------------------------|
| TC1 | Balance across front and rear bogies | Front Bogie [Tons] | Rear Bogie [Tons] | Longitudinal Imbalance [%] | Criteria Longitudinal Imbalance ≤ 10% |
| | | 18.50 | 15.57 | 8.60% | PASS |
| | Weight Measured vs Predicted | Weight Measured [Tons] | Weight Predicted [Tons] | Weight Difference [%] | Criteria Min/Max |
| | | 34.07 | 34.42 | 1.03% | 1.62% PASS |

| | | | | |
|------------|---------|------------|---|----------|
| Name | Company | Department | Signature | Date |
| TRAFIC NUS | Gibela | EOS |  | 05/05/24 |
| | | | | |
| | | | | |
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