



# On-Track Plant Engineering Conformance Certificate

This Certificate is issued in accordance with RIS-1530-PLT Issue 6

**NAME OF VEHICLE ACCEPTANCE BODY**  
*SNC-Lavalin Rail & Transit Verification Limited*

**ACCREDITATION CODE**  
**21**

**Vehicle Class / Description** 911/JCB/JZ140/9A

**Vehicle Owner** Story Plant Ltd

**Issue Date** 06 April 2021

**Expiry Date** 07 August 2027

**Vehicle Number(s)**

99709 911243-2

**First Of Class**

99709 911243-2 on certificate 21/0448/20 against RIS-1530-PLT Issue 6.

**Authorised by:**

Luke Tandy  
*Luke Tandy*  
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**SNC-Lavalin Rail & Transit Verification Limited**

**OFFICIAL STAMP**



**Reason for issue and Scope of Work**

Certification of upgraded JCB JZ140 Road Rail Vehicle.  
Serial No. 1137071. Story Contracting Fleet No. SR1111-02.  
Assessed for compliance with RIS-1530-PLT, Issue 6.  
On this certificate: Change of owner only. No engineering change.  
Expiry date conforms to the requirements of RIS-1530-PLT.

**Deviations associated with this certificate**

None.

**Applicant Copy**  
**SN0217074**

**Certificate Number: 21/0212/21**



# On-Track Plant

## Previous Certificate Number

21/0577/20.

## Maintenance Plan Details

Story Maintenance Plan Road Rail JCB JZ140R; STORY/MP/JCB JZ140R; Issue No: 1; Issue Date: July 2020.

## Limitations of Use

1. The RRV shall only operate inside possessions.
2. When travelling, the vehicle is within Plant gauge and exception for tracks as defined in RIS-1530-PLT. Mirrors must be folded in for travelling.
3. When working the counterweight, boom, dipper and attachments can be out of the Plant gauge. When working the counterweight infringes the Plant gauge by 190mm. Minimum underside height of rotating superstructure above rail is: 1570mm.
4. The vehicle shall NOT on/off track, travel or work on live conductor-rail lines.
5. The vehicle may be used on ISOLATED 3 or 4 rail lines.
6. The vehicle is permitted to on/off track and travel under live OLE, when used in conjunction with a safe system of work determined and authorised by taking guidance from the requirements of GE/RT8024 and accounting for the following requirements:
  - The earth bonds on the vehicle shall be examined for security and presence.
  - Boom/dipper shall remain in the travel position.
  - Minimum OLE wire height of 4.165m.
7. Except for the cab, when the vehicle is under live OLE access is NOT permitted onto any surfaces higher than 1.4m above rail.
8. The vehicle shall NOT on/off track or work if the adjacent line or lines are open to traffic.
9. For access/egress, the vehicle shall only operate with the door to the cab adjacent to a ccess or a line closed to all train movements, or the safe system of work takes account of adequate clearances to the adjacent line or lines.
10. The vehicle shall NOT work under live OLE.
11. The vehicle shall NOT travel on track with:
  - cants greater than 200mm; gradients greater than 1:25 and/or curves less than 80m.
12. The vehicle shall NOT work on track with:
  - cants greater than 150mm; gradients greater than 1:25 and/or curves less than 80m.
13. The vehicle shall NOT be on/off tracked on cants greater than 150mm and/or gradients greater than 1:25.
14. For on/off tracking, a site specific work plan shall be used taking account of the requirements in Network Rail Infrastructure Plant Manual NR/L2/RMVP/0200.
15. When reversing, the vehicle shall only proceed at walking speed with the driver utilising the CCTV and/or ground staff, until the superstructure/boom can be slewed to face the direction of travel.
16. The RCI shall be switched on at all times, unless in digging mode.
17. The vehicle is NOT permitted to tow or propel trailers.

**Applicant Copy**

**Certificate Number: 21/0212/21**

**SN0217074**

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# On-Track Plant

## Supplementary Information

1. The vehicle is a Philmor rail-conversion of road multi-purpose tracked excavator with articulated boom (1.9m + 3.4m) and 2.1m dipper.
2. Philmor Serial No: RRC173. JCB Serial No: 1137071. Story Fleet No: SR1111-02.
3. The vehicle is approved to carry 1 persons seated in the driver's cab.
4. It operates on rail in high-mode only.  
It has no load carrying area.
5. CCTV camera fitted to the rear and side.
6. Gross vehicle weight is 23.42tonnes.
7. Maximum speeds travelling on rail not to exceed:-
  - 20mph plain line;
  - 5mph working;
  - 5mph switches and crossings;
  - 1mph raised check/guard rails;
  - 3mph emergency recovery.
8. Where an attachment is known to have a significant adverse affect on the RRV stability, the RCI shall always be in 'Lift Mode' when using the attachment.
9. Auxiliary lifting eye maximum of 5tonnes SWL shall NOT be exceeded.
10. RCI information:
  - Fitted with GKD-3+ System.
  - Model: GKD-3RCI Touch Screen S/N: 01832TM;
  - Software: V9.55BSP;
  - Duty chart - 1137071, Dated 17-Sept-2020 for all load lifting points.
  - This vehicle has Normal and Tandem Lifting Modes.

**Authorised by:**

**Luke Tandy**



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