



# 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**

**940/Rexquote/PW160/9B**

**Vehicle Owner**

**L&W Contractors Ltd**

**Issue Date**

**23 June, 2017**

**Expiry Date**

**23 June, 2024**

**Vehicle Number(s)**

99709\_940711-3

**First Of Class**

99709 940691-7 on Engineering Conformance Certificate 21/1687/16

**Authorised by:**

**Bryan Lowe**

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



**OFFICIAL STAMP**



**SNC · LAVALIN**

**Reason for issue and Scope of Work**

Certification of upgraded Road Rail Vehicle. Serial No. H55146. Rexquote No. 2305. L&W Fleet No. RRV126.

Assessed for compliance with RIS-1530-PLT Issue 6. Expiry date conforms to the requirements of RIS-1530-PLT.

**Deviations associated with this certificate**

Tracker No: 28408 non-inclusion of calculation of RA and RL values on this certificate.

**Previous Certificate Number**

No previous Engineering Conformance Certificate to RIS-1530-PL Issue 6. Previous Engineering Conformance Certificate: 21/1488/16.

**Maintenance Plan Details**

Rexquote Komatsu PW160 - Operating and Maintenance Manual RQM60147v13; Issue 1; 11/11/2016.

**Customer Copy**

**Certificate Number: 21/0524/17**



# On-Track Plant

## Limitations of Use

1. The vehicle shall only be used inside a possession.
  2. When travelling, the vehicle is within W6a gauge as defined in RIS-1530-PLT.
  3. When working the vehicle may be out of W6a gauge.  
Minimum underside height of tail swing above rail is 1385mm.  
Maximum tail swing gauge exceedance is 690mm (i.e. 1383mm from the running edge of the rail).  
A site survey shall be undertaken to assess potential damage to infrastructure equipment prior to use.
  4. Vehicle shall NOT on/off track, travel or work on live conductor-rail lines.
  5. Vehicle shall NOT on/off track, travel or work under live OLE.
  6. Vehicle shall NOT on/off track or work if adjacent lines are open to traffic.
  7. Vehicle will not activate train operated points.
  8. Vehicle shall NOT travel on track with:
    - Cants greater than 200mm; Gradients greater than 1:25; and/or Curves less than 80m.
  9. Vehicle shall NOT work on track with:
    - Cants greater than 150mm; Gradients greater than 1:25; and/or Curves less than 80m.
  10. 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.
  11. For access/egress, the vehicle shall only operate with the door to the cab adjacent to a cess or a line closed to all train movements, or the safe system of work takes account of adequate clearances to adjacent lines.
  12. Setting up and packing away - from inside cab.
  13. For on/off tracking, a site specific work plan shall be used taking account of the requirements in Network Rail Infrastructure Plant Manual NR/PLANT/0200.
    - Vehicle shall not be on/off tracked on cants greater than 100mm and/or gradients greater than 1:25.
  14. It is permitted to tow and/or propel rail trailers with compatible coupling and air brake systems.  
Maximum braked towed/propelled weight is 22.8tonnes / 3 trailers.  
Air service / park brake. Supply pressure 0-8bar maximum.
- NOTE: The maximum towed/propelled weight may have to be reduced where the railhead conditions for adhesion and/or running gradient may affect the safe traction performance of the vehicle.

## Supplementary Information

1. The RRV is a Rexquote rail-conversion of road excavator with 5.15m boom and 2.1m dipper.
2. Manufacturer Serial No. H55146. Rexquote No. 2305. L&W Fleet No. RRV126.
3. The vehicle is approved to carry 2 persons seated in the drivers cab.
4. It operates on rail in high-mode only.
5. CCTV camera fitted to the rear.
6. Fitted with Rexquote direct rail wheel braking system (Type 9B).
7. Gross vehicle weight is 23.9tonnes.
8. Maximum speeds travelling on rail not to exceed:-
  - 20mph plain line;
  - 5mph switches, crossings and raised check/guard rails;
  - 10mph towing/propelling;
  - 5mph emergency recovery.
9. 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.
10. The vehicle has a permanently fitted Quick Hitch. Maximum SWL 10tonnes.
11. RCI Information:
  - Fitted with a Prolec Rated Capacity Indicator (RCI) and dual encoders;
  - Model - Prolec PME Rail;
  - Hardware Display - 300722;
  - I/O Controller 1 - 023148; I/O Controller 2 - 023130; MMI Safety Controller - 930429.
  - RCI Software - V.1.26.0.20.
  - Duty chart reference: Komatsu PW160 - H55146; Dated 20/06/2017.
  - This vehicle has Normal and Tandem Lifting Modes.

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