



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 07 September 2020

Expiry Date 07 September 2027

Vehicle Number(s)

99709 940746-9

First Of Class

99709 940746-9 on certificate 21/0534/20 against RIS-1530-PLT Issue 6.

Authorised by:

Alex McCristal
SNC-Lavalin Rail & Transit Verification Limited

OFFICIAL STAMP



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Reason for issue and Scope of Work

Certification of upgraded Rexquote PW160 Road Rail Vehicle.
Serial No. H55559. Rexquote No. 2310. L&W Fleet No. RRV128.
Assessed for compliance with RIS-1530-PLT Issue 6.
Expiry date conforms to the requirements of RIS-1530-PLT.

Deviations associated with this certificate

None.

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Previous Certificate Number

21/1487/16.

Maintenance Plan Details

King Rail Komatsu PW160 Hydrostatic/Friction Drive Rail Mounted Excavator Operation and Maintenance Handbook; ZM50004808; Date: May 2020; Issue: 01.

Limitations of Use

1. The vehicle shall only be used inside a possession.
2. When travelling, the vehicle is within the Plant and W6a gauge as defined in RIS-1530-PLT.
3. When working the vehicle may be out of the Plant and 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. The vehicle shall NOT on/off-track, travel or work under live OLE, unless the GKD SpaceGuard RCI system is active, the Height Limit correctly set and the system functionality been proven correct prior to vehicle use.

Under live OLE, working shall only be in accordance with the safe system of work for the possession, determined and approved by taking guidance from the requirements of GE/RT8024, and accounting for
 - A maximum SpaceGuard default height of the boom above the rail of 3.500m.
 - A minimum OLE wire height of 4.165m.
 - The earth bonds on the RRV shall have been examined for security and presence, prior to use.
 - Attachments and their load shall not exceed the height of the top of the boom.
6. Vehicle shall NOT on/off track or work if adjacent lines are open to traffic.
7. The vehicle shall only be permitted to work ALO with the GKD SpaceGuard RCI system active, the Slew Limit and/or Virtual Wall correctly set and the system functionality has been proven correct prior to vehicle use.

ALO working shall only be in accordance with the approved safe system of work (SSoW) for the possession, taking account of the extra gauge exceedance caused by attachments.
8. Vehicle will not activate train operated points.
9. Vehicle shall NOT travel on track with:
 - Cants greater than 200mm; Gradients greater than 1:25; and/or Curves less than 80m.
10. Vehicle shall NOT work on track with:
 - Cants greater than 150mm; Gradients greater than 1:25; and/or Curves less than 80m.
11. 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.
12. 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.
13. Setting up and packing away - from inside cab.

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- 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.
 - Vehicle shall not be on/off tracked on cants greater than 150mm and/or gradients greater than 1:25.
- 15. It is permitted to tow and/or propel rail trailers with compatible coupling and air brake systems. Maximum braked towed/propelled weight is 48tonnes / 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. H55559. Rexquote No. 2310. L&W Fleet No. RRV128.
- 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 22.96tonnes.
- 8. Maximum speeds travelling on rail not to exceed:-
 - 20mph plain line;
 - 5mph switches and crossings;
 - 5mph raised check/guard rails;
 - 10mph towing/propelling;
 - 5mph emergency recovery.
- 9. The RCI shall be switched on at all times, unless in digging mode.

Where an attachment may have a significant adverse affect on the RRV stability, the RCI shall always be in 'Lift Mode'.
- 10. The vehicle has a permanently fitted Quick Hitch. Maximum SWL 13tonnes.
- 11. RCI information:
 - Fitted with a GKD 3RCI Rated Capacity Indicator (RCI)
 - Model: GKD 3RCI Touch Screen Serial No: 01814TM;
 - Software: V9.39BSP;
 - Duty chart reference: H55559 Dated 07-Sep-2020.
 - This vehicle has Normal and Tandem Lifting Modes.
- 12. GKD SpaceGuard RCI Information:

The vehicle is fitted with an electronic slew and height limiting system through the GKD SpaceGuard RCI which has been approved as High Performance, against RIS-1530-PLT Issue 6.

Authorised by:

Alex McCristal

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