



On-Track Plant Engineering Conformance Certificate

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

NAME OF VEHICLE ACCEPTANCE BODY

ACCREDITATION CODE

SNC-Lavalin Rail & Transit Verification

Limited

21

Vehicle Class / Description

911/Rail-Ability/Atlas RA350/9A

Vehicle Owner

A P Webb Plant Hire Ltd

<u>Issue Date</u>

4 May, 2018

Expiry Date

4 May, 2025

Vehicle-Number(s)

99709_911334-9

First Of Class

99709 911316-6 on certificate 21/0244/18 under RIS-1530-PLT Issue 6.

Authorised by:

Bryan Lowe

SNC-Lavalin Rail & Transit Verification Limited

OFFICIAL STAMP



SNC - LAVALIN

Reason for issue and Scope of Work

Certification of new Rail-Ability Atlas RA350 Road Rail Vehicle.

Manufacturer Serial No. 180C301457. A. P. Webb Fleet No. RTE015.

Assessed for compliance with RIS-1530-PLT Issue 6.

Expiry date conforms the requirements of RIS-1530-PLT.

Deviations associated with this certificate

None

Previous Certificate Number

No previous Engineering Conformance Certificate against RIS-1530-PLT Issue 6.

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Maintenance Plan Details

Rail-Ability Atlas RA350LCSR Tracked Road/Rail Excavator Routine Maintenance Plan; RAA350TAMI001 Issue 2 Dated 1 April 2017.

Rail-Ability Atlas RA350 Tracked Excavator Operator's Manual; RAA350COPS-001; Issue 1 Dated 1 April 2018.

Limitations of Use

- 1. The vehicle shall only operate inside possessions.
- 2. In travelling mode, the vehicle is within the Plant gauge and exception as permitted by RIS-1530-PLT. Mirrors must be folded in and cab door must be closed.
- 3. When working the vehicle may be out of the Plant gauge.

Minimum underside height of tail swing above rail is 1392mm.

Maximum tail swing gauge exceedance is 334mm.

Maximum tail swing gauge exceedance is 590mm with auxiliary counterweight fitted.

A site survey shall be undertaken to assess potential damage to infrastructure equipment prior to use.

- 4. The vehicle shall NOT on/off track, travel or work on live conductor-rail lines.
- 5. The vehicle shall NOT on/off track or work under live OLE.
- 6. The vehicle may travel under live OLE when permitted in conjunction with a safe system of work (SSoW) for the possession, determined and approved by taking guidance from the requirements of GE/RT8024, and account taken of:-
 - A minimum OLE wire height of 4.165m.
 - The boom/dipper shall be in the travel position.
 - The earth bonds on the RRV shall have been examined for security and presence, prior to use.
 - Other than the cab, access is NOT permitted onto any surfaces higher than 1.4m above rail.
- 7. The vehicle shall NOT on/off track or work if the adjacent line or lines are open to traffic.
- For on/off tracking, a site-specific work plan shall be used taking account of the requirements Rail-Ability
 Operations Manual and the applicable module of Network Rail Infrastructure Plant Manual
 NR/L2/RMVP/0200.

The vehicle shall NOT on/off track on cants greater than 150mm and/or gradients greater than 1:25.

- The vehicle shall not travel or work on track with:
 - cants greater than 200mm; 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.
- 12. The vehicle is permitted to tow and/or propel rail trailers with compatible coupling and brake systems:
 - Air brakes supply pressure for park brake release is 8bar, and for service brake is 0-8bar.
 - Maximum weight is 96tonnes.

NOTE: The maximum towed and/or 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

- The RRV is a Rail-Ability hydrostatically driven rail-conversion of a tracked excavator with 1.92m boom, 3.30m artic and 1.70m dipper.
- Manufacturer Serial No. 180C301457. A. P. Webb Fleet No. RTE015.
- 3. The vehicle is approved to carry 2 persons seated in the drivers cab.
- It operates on rail in high-mode only.
- It has no load carrying area.
- CCTV cameras are fitted to the rear and side.
- 7. Gross vehicle weight is 35 tonnes or 38 tonnes when fitted with piggy-back counterweight.
- 8. Maximum speeds travelling on rail NOT to exceed:-
 - 20mph plain line;
- 5mph switches and crossings;
- 2mph raised check/guard rails;
- 5mph emergency recovery.

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- 9. Load Lifting points:
 - Dipper pin 16t SWL
 - S60 Jaws on Quick hitch 12t SWL
 - Auxiliary hook on Quick hitch 5t SWL
- The vehicle is fitted with a Rail-Ability Rated Capacity Indicator (RCI) system compliant with RIS-1530-PLT issue 6, approved under SNCL certificate 0021/6/2018/0173.
 The RCI operation is detailed in the Rail-Ability RCI Operation Manual RACD-1000-0141; Issue 1; Dated 2018-04-06.
- Interrogation and down-loading of the data recorder (part of the RCI), shall be managed by the RRV owner/operating company in accordance with their maintenance policy and RCI Operator's Manual.
- 12. RCI Information:
 - Fitted with a Rail-Ability RCI+L Rated Capacity Indicator (RCI);
 - RCI Software I/D 04.01;
 - Duty chart RACD10000240 dated 03-May-2018 for all load lifting points.
 - Duty chart RACD10000242 dated 03-May-2018 for all load lifting points with aux counterweight.
 - The vehicle has Normal and Tandem Lifting Modes.
 - The vehicle is permitted to lift and carry through 360 degree operation.
- 13. The vehicle is NOT fitted with a High Performance Movement Limiting Device to allow the vehicle to work with an adjacent line open to traffic (ALO) or under overhead line equipment (OLE), as defined by RIS-1530-PLT Issue 6, clause 5.8.
- 14. The vehicle emergency recovery is detailed in the Rail-Ability Operations Manual RA350COPS-001.

Authorised by: Bryan Lowe Bione

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