



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

910/Rail-Ability/Atlas RA300/9A

Vehicle Owner

A P Webb Plant Hire Ltd

Issue Date

27 April, 2018

Expiry Date

27 April, 2025

Vehicle Number(s)

99709_910043-7

First Of Class

99709 910041-1 on certificate 21/0183/18 under RIS-1530-PLT Issue 6.

Authorised by:

OFFICIAL STAMP

Bryan Lowe

SNC-Lavalin Rail & Transit Verification Limited

SNC·LAVALIN

Reason for issue and Scope of Work

Certification of new Rail-Ability Atlas RA300 Road Rail Vehicle.

Manufacturer Serial No. 180S301423. A. P. Webb Fleet No. RAIL075.

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 RA300 Wheeled Road/Rail Excavator Routine Maintenance Plan; RAA300WAMI001; Issue 2; Dated 1 April 2018.

Rail-Ability Atlas RA300 Wheeled Excavator Operator's Manual; RAA300WOPS-001; Issue 1 Dated 1 April 2018.

Limitations of Use

- 1. The vehicle shall only operate inside possessions.
- 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.
- When working the vehicle may be out of the Plant gauge.
 Minimum underside height of tail swing above rail is 1441mm.

Maximum tail swing gauge exceedance is 538mm.

- 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.
- 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.
- 9. 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 wheeled excavator with 1.92m boom, 3.30m artic and 1.70m dipper.
- 2. Manufacturer Serial No. 180S301423. A. P. Webb Fleet No. RAIL075.
- 3. The vehicle is approved to carry 2 persons seated in the drivers cab.
- 4. It operates on rail in high-mode only.
- 5. It has no load carrying area.
- 6. CCTV cameras are fitted to the rear and side.
- 7. Gross vehicle weight is 32 tonnes.
- 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.
- 11. 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 RACD10000239 dated 23-Mar-2018 for all load lifting points.
 - 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 RA300WOPS-001.

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