



On-Track Plant Engineering Conformance Certificate

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

NAME OF PLANT ACCEPTANCE BODY

SNC-Lavalin Rail & Transit Verification Limited

ACCREDITATION CODE

21

Vehicle Class / Description

919/Rexquote/Demag AC40 Crane/9A

Vehicle Owner

Road Rail Cranes Ltd

Issue Date

7 October, 2016

Expiry Date

13 December, 2020

Vehicle Number(s)

99709_919082-6


First Of Class

99709 919080-0 on certificate IF/0790/13 against RIS-1530-PLT, Issue 4.

Authorised by:

Bryan Lowe

SNC-Lavalin Rail & Transit Verification Limited



OFFICIAL STAMP



SNC-LAVALIN

Reason for issue and Scope of Work

Update to ECC for Road Rail Demag AC40 Crane. Demag Serial No. 70639. Rexquote Serial No. 2350. Originally assessed for compliance with RIS-1530-PLT, Issue 5. On this certificate: Additional Limitation 14. No engineering change. Expiry date conforms to the requirements of RIS-1530-PLT.

Deviations associated with this certificate

None

Previous Certificate Number

IF/0147/16.

Maintenance Plan Details

Rexquote Demag AC40 Crane, Rail Mounted Crane O&M Manual, RQM50106v03, Issue 2, 17/03/16.

Customer Copy

Certificate Number: 21/1454/16



On-Track Plant

Limitations of Use

1. The vehicle shall only operate inside possessions.
 2. In travelling mode, the vehicle is within the W6a gauge as defined in RIS-1530-PLT. The upper-structure and stabilisers shall be stowed correctly before travelling on-rail.
 3. The vehicle has NO WORKING MODE whilst on rail.
 4. The vehicle shall NOT on/off track or travel on live conductor-rail lines.
 5. The vehicle will NOT activate train operated points.
 6. The vehicle shall NOT travel on track with:-
 - Cants greater than 200mm; Gradients greater than 1:25; and/or Curves less than 80m.
 7. When reversing, the vehicle shall only proceed at walking speed with the driver utilising the CCTV and/or ground staff.
 8. 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.
 9. Setting up and packing away - from inside cab.
 10. The vehicle shall NOT on/off track if the adjacent line(s) are open to traffic, unless otherwise permitted by a site-specific and Network Rail approved Any Line Open (ALO) safe system of work plan.
 11. For on/off tracking, a site specific work plan shall be used taking account of the requirements of the applicable Module in Network Rail Infrastructure Plant Manual NR/PLANT/0200. Maximum permitted track cant 165mm and/or gradient not greater than 1:25.
 12. The vehicle shall NOT on/off track or travel under live OLE, except :-
 - > It may on/off track on an approved RRAP or 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 provided the upper-structure is in the travel position and taking into account of the height of the top of the crane 3.365m above rail and subject to a minimum OLE wire height of 4.165m.
 - > Other than for the cab, access is NOT permitted onto any surfaces higher than 1.4m above rail when the vehicle is under live OLE.
 13. It is permitted to tow and/or propel trailers with compatible coupling and air park/service brake systems. Air supply pressure for park brake release is 8bar, and for service brake is 0-8bar. Maximum weight is 40tonnes / 3 trailers fitted with air reservoirs.
- 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.
14. It is permitted to TOW-ONLY, one Rexquote T17 2-wheel rail trailer for the transportation of the crane outrigger mats. The trailer is unbraked and the gross weight 1tonne shall not be exceeded. Before use, the lighting and breakaway system shall be proved functional and the safety chain connected. The trailer shall NOT be uncoupled and left on track.

Supplementary Information

1. The vehicle is a Rexquote rail conversion of a Demag AC40-1 City Crane.
2. Manufacturer Serial No. 70639. Rexquote Serial No. 2350.
3. The vehicle shall only operate on rail in high-mode.
4. Fitted with Requote direct rail-wheel braking.
5. The vehicle is approved to carry 1 person seated in the drivers cab.
6. CCTV camera fitted to the side and rear.
7. Gross vehicle weight: 36tonnes.
8. Maximum speeds travelling on rail not to exceed:-
 - 20mph plain line;
 - 5mph switches and crossings;
 - 5mph raised check/guard rails;
 - 10mph towing/propelling; NOTE - 5mph when towing T17 trailer.
 - 5mph emergency recovery, also refer to Rexquote manual.