



CERTIFICATE OF ENGINEERING ACCEPTANCE

This certificate is issued in accordance with RIS-1530-PLT Issue 5

NAME OF VEHICLE ACCEPTANCE BODY

SNC-Lavalin Rail & Transit Limited

ACCREDITATION CODE

IF

Vehicle Class / Description

940/Rexquote/Case 988/9B-I

Vehicle Owner

William Bradshaw Plant Hire

Issue Date

5 April, 2016

Expiry Date

18 October, 2020

Vehicle Number(s)

99709_940601-6

First Of Class

Not Known.

Authorised by:

Bryan Lowe

SNC-Lavalin Rail & Transit Limited

OFFICIAL STAMP



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Reason for issue and Scope of Work

Certification of upgraded Road Rail Vehicle.

Manufacturer serial/chassis number: Serial No. CGG0232332. Rexquote No. 1685. Bradshaw Fleet No. 8

Originally assessed for compliance with RIS-1530-PLT, Issue 4.

On this Certificate: Change of Owner. Clarification of Limitations of Use but no engineering change.

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

Deviations associated with this certificate

NC Tracker No. 14751.

Previous Certificate Number

Previous Engineering Acceptance Certificate: IF/0420/14.

Customer Copy

Certificate Number: IF/0197/16

Maintenance Plan Details

Rexquote Maintenance Plan; RQM20094; Issue 4; Dated 16/03/2011.
Rexquote Rail Wheel Braking System, Rail Mounted Vehicle Service Manual; RQMA0043; Issue 10;
Dated 02/10/2012.

Limitations of Use

1. The RRV shall only operate inside possessions.
 2. It operates on-rail in high-mode only.
 3. Travelling mode: the RRV is within W6a gauge and exception for road wheels as RIS-1530-PLT.
 4. When travelling, mirrors must be folded in.
 5. Permitted number of personnel to be carried: 1 person seated in the driver's cab.
 6. Working mode: the counterweight, boom, dipper and attachments can be out of W6a gauge, dependant on the PROLEC Rated Capacity Indicator (RCI) slew settings in use.
 7. For on/off tracking, a site specific plan shall be used taking account of the applicable module of Network Rail Infrastructure Plant Manual NR/PLANT/0200.
 - The site specific work plan shall also be in compliance with the Rexquote Manual RQM20094.
 - Maximum track cant 100mm and/or gradient 1:25, on approved RRAP.
 8. For recovery refer to the Rexquote Manual. Maximum speed 3mph (5km/h) to avoid damage to the RRV.
 9. The RRV shall NOT on or off track, or work if adjacent lines are open to traffic.
 10. The RRV shall NOT on or off track, travel or work on live conductor rail lines.
 11. The RRV shall NOT on or off track or work under live OLE.
 12. The RRV may 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 boom/dipper is in the travel position. Subject to minimum OLE wire height 4.165m.
 13. For access/egress, the RRV 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 (SSoW) to be adopted takes account of adequate clearances to the adjacent line or lines.
 14. All work equipment / attachments must be stowed and secured in their transit position when on/off tracking and when operating the vehicle in travelling mode on rail.
 15. Reverse movement in travelling mode must be controlled by ground staff.
 16. The RRV is permitted to tow and/or propel rail trailers with compatible coupling, hydraulic-operated brake systems with break-away brakes and marker lights in operation.
 - Maximum service braked load 40tonnes.
 - Hydraulic supply pressure for trailer park brake is 53 bar.
 - Hydraulic supply pressure for trailer service brake is 120 +/- 5 bar.
 - All trailers shall have the park and service brake connected, and functional test carried out.
- NOTE: The maximum towed and/or propelled weight may have to be reduced where railhead condition for adhesion and/or the ruling gradient may affect the safe traction performance of the RRV.
17. Limitation to ensure stability:
 - Controlled by PROLEC RCI which shall be active when the RRV is in use, except as in limitation 20.1, See Duty Charts and LOLER Certificate.
 - RRV shall only be operated with quick hitch in position and/or load on boom.
 - Movement of boom towards backwards stability shall be at moderate/low speed.
 18. PROLEC RCI shall be in operation when RRV is working, except as limitation 20.1.
 19. Permitted to lift and carry through 360 degrees operation.
 20. The RRV may work with attachments. Their use in Modes 20.1 or 20.2 shall comply with the following, as applicable:
 - Where specified, and including all lifting accessories, the attachment shall have a current certificate of approval, test and/or thorough examination.
 - The attachment shall only be used in accordance with the manufacturer's safety and operating instructions, and the safe system of work for the possession.
 - Use of the attachment shall not involve exceeding the vehicle's rated capacity for lifting.
 - Except for the quick hitch, the attachment should not be connected to the vehicle during on or off tracking, unless safe to do so.

- The attachment shall be maintained in accordance with the manufacturer's and/or other approved instructions.
- 20.1 The PROLEC RCI may be switched OFF, typically digging mode.
Caution must be exercised with attachments as their use may adversely affect the stability of the RRV when it is working.
Before switching OFF the RCI, the attachment and its contents (e.g. bucket full of ballast) shall be moved through the planned range of movements to confirm that the working mode is within the vehicle's lifting and stability capacity.
- 20.2 The PROLEC Rated Capacity Indicator system (RCI) shall be switched ON for lifting mode;
 - Lifting accessories (LOLER Regulations).
 - An attachment that is mechanically fixed or and/or powered from the RRV or which may adversely affect the stability of the RRV.
 - Any such attachment and its use shall only be with the approval of the infrastructure controller.

Supplementary Information

1. Vehicle is a Rexquote rail-conversion of road excavator with an offset mono-boom and 2.1m dipper.
2. Load lifting point at dipper end, rated capacity 10tonnes SWL. Auxiliary lift point 10tonnes SWL.
3. Minimum height of underside of rotating superstructure above rail level - 1426 mm.
4. Maximum tail swing gauge exceedance; 547mm.
5. Manufacturer serial / chassis number: Serial No. CGG0232332. Rexquote No. 1685.
Bradshaw Fleet No. 8
6. Maximum travelling cant - 200mm
7. Maximum working cant -150mm
8. Maximum working and travelling gradient - 1:25
9. Minimum Curve Radius: 80m
10. Maximum speeds on rail not to exceed:
20mph (32km/h) plain line; 5mph(8km/h) switches and crossings;
5mph (8km/h) raised check/guard rails; 10mph (8km/h) working/towing/propelling.
11. The vehicle is fitted with DIRECT rail wheel braking.
12. Details for on/off tracking and emergency recovery can be found in RQM20094.
13. RCI information:
 - Manufacturer - PROLEC Liftwatch Series - Display serial number - 130818 - RCI Software I/D - 2.18.01.00
 - Duty chart reference - Case 988, CGG0232332, 16th October 2013, for all load lifting points.

Note that Interfleet Technology Ltd is now trading as SNC-Lavalin Rail & Transit Ltd. This certificate has been issued on the basis of the Engineering Acceptance of Rail Vehicles Licence Agreement issued to Interfleet Technology Ltd (certificate numbers 13/017/001 and 13/017/002) on 1 February 2013, and subsequently extended until the termination of the CCB/VAB licensing process. The certification management system is unaffected by the change of name in respect of compliance with PS305/04.

Authorised by:
Bryan Lowe

