

CERTIFICATE OF ENGINEERING ACCEPTANCE

This certificate formally records that the following vehicle(s) conform to the appropriate requirements as set out in
RIS-1530-PLT Issue 2.

NAME OF VEHICLE ACCEPTANCE BODY

Interfleet Technology Ltd

ACCREDITATION CODE

IF

Vehicle Class / Type

Road Rail Vehicle Rexquote Terex Giga Crane - Type 9B

Vehicle Operator

Various or Unspecified Companies

Vehicle Owner

Ready Power Engineering Ltd

Authorised by: 

Bryan Lowe
Interfleet Technology Ltd

Issue Date

7 July, 2010

Expiry Date

12 January, 2016

(Where applicable due to a special limitation)



OFFICIAL STAMP

Vehicle Number(s)

99709_949007-7

Special Limitations

A CONFIGURATION

1. Vehicle is Rexquote rail-conversion of road excavator, fitted with Cormach type 880000-E-2001 telescopic boom crane (serial number 651105), and Brevini winch type BWF4100. The RRV is fitted with a Prolec RCI which shall be operational at all times. RCI serial number 3230024/130030, Duty Charts 180S301305 Issue 1 and software version V0.01C. Also fitted with service brake control for rail trailers.
2. Permitted number of personnel to be carried; 2 in cab
3. It operates on-rail in high-mode only. It has no load carrying area.
4. It shall only be operated on rail when fitted with foam-filled tyres and rail wheel traction hubs.
5. It is fitted with a boom height limiter to permit on/off tracking and travel under live OLE, see D5.

B ON & OFF TRACKING AND EMERGENCY RECOVERY

1. For on/off tracking, a site-specific work plan for one of the following conditions shall be used. The work plan shall be in compliance with the Rexquote Manual RQM10087, and Network Rail Specification NR/L2/RVE/0007:-
 - > Maximum track cant 100mm and/or gradient 1:29, on an approved RRAP.
 - OR
 - > A risk assessed procedure that is specific to the on and off tracking point.
2. For recovery refer to the Rexquote Manual. Maximum speed 5mph (8km/h) to avoid damage to the RRV.

C GAUGE

1. Travelling mode: RRV is within W6a gauge and exception for road wheels as RIS-1530-PLT.

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When travelling, mirrors must be folded in.

2. Working mode: the RRV counterweight, boom, and attachments can be out of gauge, dependent on the Prolec Rated Capacity Indicator (RCI)/slew settings in use.
3. SAFETY ALERT: It is fitted with traction hubs that extend the overall width of the rail wheels to 162mm at rail level.

The RRV shall NOT be used on a track where guard rails or other similar equipment is present, unless the safe system of work that is specific to the possession details the controls that are necessary to ensure there is no risk of intrusion of the traction hubs into the area occupied by the guard rails.

D LIMITATIONS OF USE

1. It shall only operate inside possessions.
2. It shall NOT on/off track or work, if adjacent lines are open to traffic.
3. 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 takes account of adequate clearances to adjacent lines.
4. It shall NOT on/off-track, travel or work on live conductor-rail lines.
5. It is permitted to on/off track and travel under live OLE subject to:-
 - There shall be no access onto the RRV, except the cab.
 - The earth bonds on the RRV shall have been examined for security and presence, prior to the start of work.
 - The boom height limiting device shall be active to restrict the height of the boom, in accordance with the Rexquote Operating and Maintenance Manual RQMA0040.
 - The use of the RRV shall only be in conjunction with a safe system of work determined and authorised in accordance with the requirements of GE/RT8024, and that it accounts for a maximum height of the boom above rail of 3.565m. OLE minimum wire height 4.165m.
6. In the on/off tracking and travelling mode, whether under live OLE or not, movements of the RRV shall only be undertaken with the boom fully retracted and stowed in the travel position.
7. It shall NOT work under live OLE.
8. Permitted speed - Maximum - 20mph (32km/h);
Switches, Crossings and Raised Check Rails - 5mph (8km/h);
Towing/Propelling - 10mph (16km/h);
9. Travelling Mode. The RRV shall NOT travel on track that exceeds cant 200mm and/or gradient 1:29.
10. Working Mode. The RRV shall NOT work on track that exceeds cant 150mm and/or gradient 1:29.
11. Limitation to ensure stability, also see Rexquote Manual RQM10087:
 - The Prolec RCI shall be active and in the correct mode when the RRV is in use - See Duty Charts.
 - Principle lifting duties shall be through the Brevini winch up to maximum SWL 12tonnes.
 - Auxiliary lift point may be used up to maximum SWL 12tonnes.
 - Movement of the boom towards backward stability limit shall only be at moderate/low speed.
 - Lift and carry duties shall only be undertaken over the fixed axle end, with the other axle in float.
 - Axle locking shall not be switched from locked to float with the RRV fully unloaded and the boom up-cant, on track cant above 100mm.
 - The RRV shall not be modified by adding or removing items likely to affect the rearwards stability.
12. It is permitted to tow and/or propel rail trailers with compatible coupling and hydraulic-operated brake systems, in one of the following consists:-
 - > Trailers with emergency/parking brake only.
 - Maximum weight shall not exceed 29tonnes/4 trailers.
 - Hydraulic supply pressure for park brake release is 35bar.
 - > Rexquote trailers with emergency/parking brake and service brake.
 - Maximum weight shall not exceed 75tonnes/4 trailers.
 - Hydraulic supply pressure for park brake release is 35bar.
 - Hydraulic supply pressure for service brake is 140bar.

All trailers shall have the service brake connected and functional.
NOTE: The maximum towed and/or propelled weight may have to be reduced where the railhead condition for adhesion and/or the ruling gradient may affect the safe traction performance of the RRV.

Referenced Certificates

This Certificate of Engineering Acceptance has been issued in accordance with GM/RT2000, on the basis of the following previous Certificates of Engineering Acceptance.

Engineering Acceptance

IF/0130/10

RGS Catalogue

The Mandatory Requirements and scope of work against which conformance has been confirmed:
Railway Group Standard Catalogue number GA/RM6501 Issue 3 June 2010

Vehicle Data

Route Availability No:	(Laden)	No Change	(Tare)	No Change
Maximum Speed (mph):	(Laden)	20	(Tare)	20
Applicable Gauge or Portfolio Reference :	W6a RIS-1530-PLT.			
Minimum Curve Radius:	80m			
Applicable Braking Curve(s):	Road/Rail Vehicles RIS-1530-PLT Clause 5.6.2.1			

Maintenance Plan Documentation

Rexquote Rail Mounted Crane Operating & Maintenance Manual RQM10087, Issue 1 01/12/2008.
Rexquote Operating and Maintenance Appendix RQMA0040, Issue 1 16/06/2010.

First Of Class

99709 949006-9: IF/0692/08 against RIS-1530-PLT, Issue 1

Scope of Work

Certification of Road Rail Vehicle.
Serial No. 180S301305. Rexquote No. 2232. Readypower Fleet No FR697.

Originally assessed for compliance with RIS-1530-PLT Issue 1.

Modification assessed for compliance with RIS-1530-PLT Issue 2.
Fitment of boom height limiter to provide increased safety during on/off tracking and travel under live OLE, see D4. Associated operating and maintenance appendix.

For information from previous certificate:
Modification by agreement with Network Rail to fit rail wheel traction hubs with 30mm wide running edge (overall wheel assembly width 162mm). Amendment of associated limitation C3, and reduction of maximum towed/propelled, service-braked trailer weight D12.
On and off tracking cant limit increased, see B1.

Expiry date conforms to the requirements of RIS-1530PLT, Issue 1.

Previous Certificate - Vehicle Allocations

Previous certificates - IF/MP/0009/09 and IF/0130/10 : 99709 949007-7.

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Bryan Lowe

Authorised by: 

Certificate No: IF/0427/10

