

**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.

**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**

5 February, 2010

**Expiry Date**

22 December, 2015

(Where applicable due to a special limitation)



**OFFICIAL STAMP**

**Vehicle Number(s)**

99709\_949006-9

**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 230086/130034, Duty Charts 180S301294 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. No load carrying capability.
4. It shall only be operated on rail when fitted with foam-filled tyres and rail wheel traction hubs.

**B ON & OFF TRACKING AND EMERGENCY RECOVERY**

1. Detailed in the Rexquote Manual RQM10087.  
A RRAP or temporary crossing must be used, maximum track cant 100mm.
2. Alternatively to B1, a risk-assessed procedure may be used that is specific to the possession.
3. In recovery, speed must be limited to 3mph (5km/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.  
When travelling, mirrors must be folded in.
2. Working mode: the counterweight, boom, dipper 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.

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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. It shall NOT on/off-track, travel or work on live conductor-rail lines.
4. It shall NOT on/off-track, or work under live OLE.
5. It may on/off-track at a level crossing or travel under live OLE in conjunction with a safe system of work as determined and authorised in accordance with the requirements of GE/RT8024, and provided the boom/dipper is in the travel position. OLE minimum wire height 4.165m.
6. In the on/off tracking and travelling mode, whether under live OLE or not, movements shall only be undertaken with the boom fully retracted and in the travel position.
7. 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.
8. Permitted speed -
  - Maximum - 20mph (32km/h);
  - Switches, Crossings - 5mph (8km/h);
  - Towing/Propelling - 10mph (16km/h).
9. Travelling Mode.  
The RRV may travel on track that does not exceed:
  - cant 200mm and/or gradient 1:29.
10. Working Mode.  
The RRV shall not work on track that exceeds any combination of:
  - cant 150mm; gradient 1:29; twist 1/150 over the RRV wheelbase (28mm twist).
11. Limitation to ensure stability, also see Rexquote Manual RQM10087:
  - The Protec RCI shall be active and in the correct mode when 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 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 altered by adding or removing items likely to affect 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 Issue 2, on the basis of the following Certificates of Conformance and previous Certificates of Engineering Acceptance.

#### Supporting Certificates

Vehicle Design

Vehicle Construction

Vehicle Maintenance

IF/MP/0318/08

Superseded Certificates

Engineering Acceptance

IF/0692/08

Reasons for non inclusion of a Certificate of Conformance or a Certificate of Engineering Acceptance:-  
Vehicle Design and Construction Certificates not applicable.

RGS Catalogue

The Mandatory Requirements and scope of work against which conformance has been confirmed:  
Railway Group Standard Catalogue number GA/RM6501 Issue 6 December 2009

Vehicle Data

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

Mandatory Data for Inclusion in RSL

NONE

Scope of Work

Certification of Road Rail Vehicle.  
Serial No. 180S301294. Rexquote No. 2231. Readypower Fleet No FR696.


Assessed for compliance with RIS-1530-PLT Issue 1.

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.

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**Bryan Lowe**

Authorised by:   
Certificate No: IF/0129/10

