Interfleet Technology

RSSB

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 Gigarailer**

Vehicle Operator **Ready Power Engineering Ltd**

Vehicle Owner **Ready Power Engineering Ltd**

Authorised by: .....

Bryan Lowe

Interfleet Technology Ltd

Issue Date **5 February, 2010**

Expiry Date **31 December, 2012**
(Where applicable due to a special limitation)

Interfleet Technology

OFFICIAL STAMP

Vehicle Number(s)

99709_940113-2

Special Limitations

A CONFIGURATION
1. Vehicle is Rexquote rail-conversion of wheeled excavator with adjustable boom (1.92m main + 3.3m artic) and 2.0m dipper.
2. Permitted number of personnel to be carried: 1 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.
5. It may work with attachments through the dipper link pins or quick hitch, (see E).
6. Fitted with external emergency traction/brake control for use with Rexquote Personnel Transporter PT1.

B ON & OFF TRACKING AND EMERGENCY RECOVERY
1. Detailed in the Rexquote Manual RQM0049.
   A RRAP or temporary crossing must be used, maximum track cant 50mm.
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 W6 gauge and exception for road wheels as GM/RT1300.
   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.
   The RRV shall NOT be used on a track where guard rails or other similar equipment is present, unless

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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. 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.
7. Permitted speed - Maximum - 20mph (32km/h);
   Switches, Crossings - 5mph (8km/h);
   Towing/Propelling - 10mph (16km/h);
8. Travelling Mode.
   The RRV may travel on track that does not exceed:
   . cant 200mm and/or gradient 1:30.
9. Working Mode.
   The RRV shall not work on track that exceeds any combination of:
   . cant 150mm; gradient 1:30; twist 1/150 over the RRV wheelbase (28mm twist).
10. Limitation to ensure stability:
    -Controlled by Prolec RCI which must be active when RRV is in use - See Duty Charts 168M301570.
    -Shall only be operated with quick hitch in position and/or load on boom.
    -Movement of boom towards backward stability limit shall only be at moderate/low speed.
11. Prolec RCI shall be in operation when RRV is working, except as Limitation E1.
    Permitted to lift and carry through 360 degrees operation.
12. It is permitted to tow and/or propel trailers with compatible emergency/parking brake and coupling system.
    Maximum un-braked towed/propelled weight is 29tonnes.
    Hydraulic supply pressure for trailer park brake release is 35bar.

E ATTACHMENTS

The RRV may work with attachments. Their use in modes E1 or E2 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. 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.
- Except for the quick hitch, the attachment shall not be connected to the vehicle during the on or off tracking procedure, unless safe to do so.
- The attachment shall be maintained in accordance with the manufacturer's and/or other approved instructions.

E1. The Prolec RCI may be switched OFF, typically digging mode including;

- General purpose earth moving buckets. Ballast profiling bucket.
- Earth moving clamshell grab. Flail cutting head.
  NOTE: Caution must be exercised with this type of attachment as its use may adversely affect the stability of the RRV when it is working.

E2. The Prolec RCI shall be switched ON, lifting mode:

- Lifting accessories (LOLER Regulations).
- An attachment that is mechanically fixed to and/or powered from the RRV.

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Any such attachment and its use shall only be with the approval of the infrastructure controller, see GM/RT1300 Issue 4 Clause C2.

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/0072/06

Superseded Certificates

Engineering Acceptance
IF/0659/08

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 :		W6 as GM/RT1300		
Minimum Curve Radius:		80m		
Applicable Braking Curve(s):		Road/Rail Vehicles GM/RT1300 Issue 4 Clause D12.2		

Mandatory Data for Inclusion in RSL

NONE

Scope of Work

Certification of Road Rail Vehicle.
Serial No. 168M301570. Rexquote No. 1993. Readypower Fleet No. FR625.

Originally assessed for compliance with GM/RT1300, Issue 4.

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.
Reduction of un-braked towed/propelled trailer weight D12, to comply with RIS-1530-PLT Issue 1.

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

Bryan Lowe

Authorised by: .....

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