

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 Case 988 - Type 9B

Vehicle Operator

Ready Power Engineering Ltd

Vehicle Owner

Ready Power Engineering Ltd

Authorised by:

Zac Grief

Interfleet Technology Ltd

Issue Date

12 April, 2007

Expiry Date

27 March, 2014

(Where applicable due to a special limitation)



Technology

OFFICIAL STAMP**Vehicle Number(s)**

99709_940008-4

Special Limitations**A RRV CONFIGURATION**

1. Vehicle is rail-conversion of road multi-purpose excavator with 4.4m boom and 2.1m dipper.
2. RRV is fitted with a Prolec RCI which must be operational during all lifting duties and when used with attachments which affect machine stability (see E), RCI serial number C22202, Duty Charts CGG 0128923.
3. It may work with a range of attachments through the dipper link pins or quick hitch, see E.
4. Lifting duties shall only be undertaken through the identified dipper lifting point.
5. It is fitted with boom height limiting device to permit use under live OLE, see D5.

B RRV ON & OFF TRACKING AND EMERGENCY RECOVERY

1. Detailed in the Rexquote Manual RQM10050 Issue 1.
A RAP 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 5mph to avoid damage to the RRV.

C RRV GAUGE

1. When travelling, RRV is within W6 gauge and exception for road wheels as RIS-1530-PLT.
2. When travelling, mirrors must be folded in.
3. When working, the counterweight, boom, dipper and attachments can be out of gauge, dependent on the Prolec Rated Capacity Indicator (RCI)/slew settings in use.

D RRV 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 and work on live conductor-rail lines.
4. It shall NOT on/off-track, or work under live OLE, except as D5.
5. It is permitted to work 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 use of the RRV under live OLE shall only be after the maximum height of the highest point of the boom has been measured as below 3.565m ARL, and the Method Statement for the possession has been determined and approved in accordance with the requirements of GE/RT8024.
 - OLE minimum wire height 4.165m.
 - The use of attachments shall ensure they do not exceed the height of the top of the boom.
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 Method Statement safe system of work to be adopted takes account of adequate safe clearances to adjacent lines.
7. Working Mode.
The RRV shall not work on track that exceeds any combination of:
 - cant 150mm;
 - twist 1/150 over the RRV wheelbase (27mm twist);
 - gradient 1/29.
8. Travelling Mode.
The RRV may travel on track that does not exceed:
 - cant 200mm;
 - gradient 1/29.
9. Permitted speed
 - Maximum - 20mph (32km/h);
 - Points & Crossings - 5mph (8km/h);
 - Towing/Propelling - 10mph (16km/h);
10. Limitation to ensure stability:
 - Controlled by Prolec RCI which shall be active when the RRV is in use see E2.
 - Movement of boom towards backward stability limit shall be at moderate/low speed.
 - Prolec RCI shall be in operation when RRV is working, except as Limitation E1.
 - Permitted to lift and carry through 360 degrees operation, see Duty Charts.
11. It is permitted to tow or propel trailers with compatible parking brake and coupling system.
Maximum un-braked towed/propelled weight is 16 tonnes.
Hydraulic supply pressure for trailer park brake release is 60bar.

E RRV 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 Method Statement 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 capacity.
- Attachments 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.

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

- General purpose earth moving buckets.
- Ballast profiling bucket.

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 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, see RIS-1530-PLT Issue 1 Clause 8.4.

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/0078/07

Superseded Certificates

Engineering Acceptance

IF/0173/07

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 1 February 2007

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 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 refurbished RRV excavator, Serial No. CGG 0128923, Rexquote 1287.

Amendment to limitations D4 and D5 on superseded certificate.

New maintenance plan, approval of height limiting device and maintenance manual appendix.

Authorised by: 

Certificate No: IF/0186/07

Customer Copy

Re-assessed for compliance to RIS-1530-PLT, issue 1.

Previous Certificate - Vehicle Allocations

IF/0173/07: 99709_940008-4

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