



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 1.

NAME OF VEHICLE ACCEPTANCE BODY

Interfleet Technology Ltd

ACCREDITATION CODE

IF

Vehicle Class / Type


Road Rail Vehicle Komatsu PC 138US - Type 9A

Vehicle Operator

Ready Power Engineering Ltd

Vehicle Owner

Ready Power Engineering Ltd

Authorised by: 

Bryan Lowe

Interfleet Technology Ltd

Issue Date

1 July, 2010

Expiry Date

1 July, 2017

(Where applicable due to a special limitation)



OFFICIAL STAMP

Vehicle Number(s)

99709_911020-4

Special Limitations

A CONFIGURATION

1. Vehicle is Rexquote rail-conversion of tracked excavator with 4.6 mono-boom and 3.0m 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; RCI software version V2.09, and Duty Charts Komatsu 4693. Lifting shall only be undertaken through the identified dipper lifting point.
3. It may work with a range of attachments through the dipper link pins or quick hitch, see E.
4. It operates on rail in high-mode only. It has no load carrying area.
5. Permitted number of personnel to be carried: 1 in cab.

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 RQM10046 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 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 RRV counterweight, boom, dipper and attachments can be out of gauge, dependent on the Prolec Rated Capacity Indicator (RCI)/slew settings in use.

Customer Copy

Certificate No: IF/0399/10

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 and work on live conductor-rail lines.
4. It shall NOT on/off-track, travel or work under live OLE, except as D5.
5. It may on/off-track at a level crossing or travel under live OLE, when used in conjunction with a safe system of work determined and authorised in accordance with the requirements of GE/RT8024, and provided the boom/dipper is in the travel position, subject to a minimum OLE wire height of 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 to be adopted takes account of adequate clearances to adjacent lines.
7. Permitted speed
 - Maximum - 20mph (32km/h);
 - Switches & Crossings, and Raised Check Rails - 5mph (8km/h);
 - Towing/Propelling - 10mph (16km/h).
8. Travelling Mode: the RRV shall NOT travel on track that exceeds cant 200mm and/or gradient 1:29.
9. Working Mode : the RRV shall NOT work on track that exceeds cant 150mm and/or gradient 1:29.
10. Limitation to ensure stability:
 - Controlled by Prolec RCI which shall be active when the RRV is in use, except as E1.
 - Movement of boom towards backward stability limit shall be at moderate/low speed.
 - Permitted to lift and carry through 360 degrees operation, see Duty Charts.
11. It is permitted to tow and/or propel rail trailers with compatible parking brake and coupling system.
 - Maximum un-braked towed/propelled weight is 10 tonnes.
 - Hydraulic supply pressure for trailer park brake release is 40bar.

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 capacity.
- Except for the quick hitch, 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, 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/0274/10

Superseded Certificates

Engineering Acceptance

Reasons for non inclusion of a Certificate of Conformance or a Certificate of Engineering Acceptance:-
No previous Engineering Acceptance Certificate against RIS-1530-PLT.
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 2 April 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 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 Road Rail Vehicle.
Serial No. 4693. Rexquote No. 1977. Readypower Fleet No. FR506.

Assessed for compliance with RIS-1530-PLT Issue1, as permitted by Network Rail temporary non-compliance NR/10/1530/112/TNC.


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

Previous Certificate - Vehicle Allocations

Previous Certificate: IF/1185/06 - ML4261.

Customer Copy

Bryan Lowe

Authorised by: 

Certificate No: IF/0399/10

