Interfleet Technology

Rail Safety & Standards Board

CERTIFICATE OF ENGINEERING ACCEPTANCE

This certificate formally records that the following vehicle(s) conform to the appropriate Mandatory Requirements as set out in Railway Group Standards.

NAME OF VEHICLE ACCEPTANCE BODY

Interfleet Technology Ltd

ACCREDITATION CODE

IF

Vehicle Class / Type **Road Rail Vehicle Rexquote Case Crawlerailer**

Vehicle Operator **Ready Power Engineering Ltd**

Vehicle Owner **Ready Power Engineering Ltd**

Authorised by: .....

Bryan Lowe

Interfleet Technology Ltd

Issue Date **4 November, 2005**

Expiry Date **None**
(Where applicable due to a special limitation)

Interfleet Technology

OFFICIAL STAMP

Vehicle Number(s)

Rexquote_2034

Special Limitations

A RRV CONFIGURATION
1. Vehicle is Rexquote rail-conversion of road multi-purpose tracked excavator with mono-boom and 2.1m dipper.
2. It operates on-rail in high-mode only through direct hydraulic drive.
3. It may work with a range of attachments through the dipper link pins or quick hitch.

B RRV ON & OFF TRACKING AND EMERGENCY RECOVERY
1. Detailed in the Rexquote Manual.
   A RAP or temporary crossing must be used maximum track cant 50mm.
2. Alternatively to B1, a risk assessed documented 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 as GM/RT1300.
2. When working, the 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 or work on live conductor-rail lines.
4. It shall NOT on/off-track, or work under live OLE.

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5. It may on/off-track at a level crossing or travel under live OLE in accordance with the Method Statement for the possession as determined and approved in accordance with the requirements of GE/RT8024, and provided the boom/dipper is secured in the travel position.
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 (20mm twist);
   . gradient 1/30.
8. Travelling Mode.
   The RRV may travel on track that does not exceed:
   . cant 200mm;
   . gradient 1/30.
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 must be active when RRV is in use - See Duty Charts and LOLER Certificate.
    - Shall only be operated with quick hitch in position 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 or propel 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 40 bar.

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

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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/0619/05

Superseded Certificates

Engineering Acceptance

Reasons for non inclusion of a Certificate of Conformance or a Certificate of Engineering Acceptance:-
No previous Engineering Acceptance Certificate.
Vehicle Design and Construction Certifictes 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 4 August 2005

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. 13U0403.

Assessed for compliance with GM/RT1300, Issue 4.

Authorised by: .....

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