



ENGINEERING ACCEPTANCE CERTIFICATE

This certificate issued in accordance with RIS-1530-PLT Issue 4.

NAME OF CERTIFICATION BODY

Atkins Rail

ACCREDITATION CODE

NS

Vehicle Type & Class

Road Rail Vehicle Rexquote Case Crawlerailer (Type, 9A)

Vehicle Owner

William Bradshaw

Issue Date

07/06/2013

Expiry Date

31/05/2020

Vehicle Numbers:

99709 911251-5

FIRST OF CLASS

Certificate number of First of Class

YES	NO
	X

N/A

Authorised by :

Signatory Name:

SP Rice

Authorised Signatory:

Reason for issue and Scope of Work

Previous scope of work;

Upgrade to RIS-1530-PLT, Issue 4, Dec 2012.

Updated Maintenance Plan and new Addendum to Maintenance Plan.

Removal of towing capability, see limitation 20.

Scope of work for this certificate;

Owner Name Change.

Deviations associated with this certificate: None

Previous Engineering Acceptance certificate number: NS/5209/13

	Identification Number	Issue No.	Date
Maintenance plan Id.	RQM0035	10	04/09/2006
Maintenance plan title	Rexquote Case CX135 Rail Mounted Excavator Manual		
Maintenance plan Id.	FPS/AD04	1	28/05/2013
Maintenance plan title	Addendum to Rexquote Manual RQM0035, Issue 10.		

Limitations of Use

1. Vehicle shall only operate inside possessions.
2. When travelling the Machine on rail is within W6a gauge and exception as allowed by RIS-1530-PLT.
3. When travelling, mirrors must be folded in.
4. All working equipment / attachments must be stowed and secured in their transit position when on / off tracking and when operating the vehicle in travelling mode on rail.
5. The vehicle shall **NOT** on/off track or work with adjacent lines open to traffic.
6. The vehicle shall **NOT** on/off track, travel or work on live conductor rails.
7. The vehicle shall **NOT** on/off track, or work under live OLE with the exception of limitation 9.
8. RRV ON and OFF tracking and emergency recovery are detailed in the Rexquote Maintenance Document RQM0035, Issue 10 dated September 2006. Alternatively, a risk assessed documented procedure may be used that is specific to the possession. A RAP or temporary crossing must be used if the access point is not level or the cant is adverse.
9. It may on/off track at a level crossing or travel under live OLE when used in accordance with the Method Statement and Safe System of Work for the possession as determined, approved and authorised in accordance with the requirements of GE/RT8024, and provided the boom/dipper is secured in the travel position.
10. When working, the counterweight, boom, dipper and attachments can be out of gauge. Vehicle may only be used with adjacent lines open to traffic if the safe system of work to be adopted has taken account of the gauge exceedance.
11. Reverse movement in travelling mode must be controlled by ground staff. However a rear facing CCTV camera system is fitted to this RRV.
12. When working the counterweight infringes the W6a gauge by 90mm. RIS-1530-PLT.
13. Vehicle must only be on/off tracked at level crossings, specified track access points (TAPS), prepared beds, or by purpose made railing ramps. Crossings may be temporary e.g. Timbers or rolled ballast.
14. For access/egress, the vehicle may 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 must take account of adequate safe clearances to adjacent lines.
15. Except for the cab, when the RRV is under live OLE access is **NOT** permitted onto any surfaces greater than 1.4m above rail.
16. Vehicle must only be on/off tracked with adjacent lines closed to traffic or under the control of the engineering supervisor responsible for controlling movements of the vehicle.
17. Vehicle must only be placed on / off track, travelled or worked by authorised personnel in accordance with mandatory rules and regulations, vehicle operating instructions and the operators declared safe system of work.
18. Limitation to ensure stability: see Duty Charts and LOLER Certificate.
 - Prolec Rated Capacity Indicator (RCI) shall be operative when RRV is in use.
 - 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.
19. Prolec Rated Capacity Indicator (RCI) shall be in operation when RRV is working, except as in 6.1,
20. Vehicle is **NOT** permitted to tow or propel trailers.
21. In recovery, speed must be limited to 5 mph to avoid damage to the RRV

Supplementary Information

1. Manufacturer serial / chassis number: Serial No. 13U0390, Fleet No. 127, OEM No. 1990.
2. Height of underside of rotating superstructure above rail level - 1200 mm.
3. Detail of boom/jib configuration: 4.65m boom and 2.26m Dipper.
4. The vehicle may work with a range of attachments through the dipper link pins or quick hitch.
5. The range of attachments may be used with this machine in association with the RCI Duty Charts. Their use in modes 6.1 or 6.2 (below) 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 vehicles lifting and stability capacity.
 - Except for the quick hitch, the attachment 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.
- 6.1 The Prolec RCI may be switched OFF, typically in digging mode.
 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.
 Prolec Rated Capacity Indicator system (RCI) may be switched **OFF** when in digging mode
- 6.2 The Prolec Rated Capacity Indicator system (RCI) shall be switched **ON** for lifting mode;
 - Lifting accessories (LOLER Regulations)
 - Any attachment that is mechanically fixed or and/or powered from the RRV.
 - Any such attachment and its use shall only be with the approval of the infrastructure controller. See RIS-1530-PLT Issue 4, clause 3.1.
6. Auxiliary lifting point, rated capacity 7.5 tonnes SWL.
7. When working, the counterweight, boom, dipper and attachments can be out of gauge, dependant on the Prolec Rated Capacity Indicator (RCI) slew settings in use.
8. RCI information :
 - Manufacturer – Prolec
 - Serial number – 130476
 - RCI Software I/D – V2.18.01.00
 - Duty chart reference, issue number and date – Case CX135 - DCH13U0390 – 03.06.2013 for all load lifting points.
9. Machine configuration: Vehicle is Rexquote rail-conversion of a multi-purpose tracked excavator. It operates on-rail in high mode only through hydraulic drive. It has a one person cab.
10. Route Availability: No Change.
11. Applicable Braking Curve: RIS-1530-PLT Issue 4. Section 5.6.2.1.
12. Applicable Gauge or Portfolio Reference: W6a as RIS-1530-PLT



ATKINS

Maximum speed of vehicle in travelling mode	20 mph
Maximum speed of vehicle in travelling mode over switches, crossings	5 mph
Maximum speed of vehicle in travelling mode through raised check rails	5 mph
Maximum speed of vehicle in working mode	1.5 mph
Maximum speed of vehicle towing/towed	10 mph
Maximum gradient in working mode	1:25
Maximum gradient in travelling mode	1:25
Maximum gradient on which vehicle can be on/off tracked	1:25
Maximum cant in working mode	150mm
Maximum cant in travelling mode	200mm
Maximum cant on which vehicle can be on/off tracked	100mm
Maximum working twist over the RRV wheelbase	1:150
Maximum Curve Radius	80m

Authorised By:

Name of Signatory: S P Rice