



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 CX135 Crawlerailer (Type, 9A)**

Vehicle Owner **Phillip Shovlin Plant Hire Ltd**

Issue Date **12/04/2017**

Expiry Date **12/10/2023**

Vehicle Numbers: **99709 911230-9**

FIRST OF CLASS

Certificate number of First of Class

YES	NO
	X

N/A

Authorised by :

Signatory Name:

Authorised Signatory:

SP Rice

Reason for issue and Scope of Work

Previous scope of work;
Upgrade to RIS-1530-PLT, Issue 3, March 2011.
Derogation NR/11/1530/113/DGN – Fitment of an air braking system.
Limitation 5 (revised previous Limitation D2).
Updated Maintenance Plan document.

Scope of work for this certificate;
Fitment of Hydraulic Service Brake System. Supplementary Information 12 added.
Derogation NR/11/1530/113/DGN applies to this certificate. Exemption from requirement for fitment of an air brake system.
Expiry date conforms to the requirements of RIS-1530-PLT.

Deviations associated with this certificate: NR/11/1530/113/DGN

Previous Engineering Acceptance certificate number: NS/5242/12

	Identification Number	Issue No.	Date
Maintenance plan Id.	SPMM0004	1	October 2011
Maintenance plan title	Shovlin Case CX135 Maintenance Document.		

Limitations of Use

1. Vehicle shall only operate inside possessions.
2. 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 RRV shall only be permitted to On/Off track or work with adjacent lines are open to traffic if a safe system of work and method statement is in place and accepted by the Network Rail Representative.
6. The vehicle shall NOT on or off track, travel or work on live conductor rails.
7. RRV ON and OFF tracking and emergency recovery are detailed in the Shovlin Maintenance Document SPMM0004, Issue 1 dated October 2011. Alternatively, a risk assessed documented procedure may be used that is specific to the possession. A RAP or temporary crossing must be used, maximum track cant 50mm.
8. Not to be on and off tracked or travelled under live OLE EXCEPT 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.
9. 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.
10. Vehicle must only be on/off tracked at level crossings, specified track access points (TAPS), prepared beds, or by purpose made raiing ramps. Crossings may be temporary e.g. Timbers or rolled ballast.
11. 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.
12. 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.
13. 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.
14. Limitation to ensure stability: see Duty Charts and LOLER Certificate. GKD Rated Capacity Indicator (RCI) shall be operative when RRV is in use.
15. GKD Rated Capacity Indicator (RCI) shall be in operation when RRV is working, except as in 7.1 & 7.2, Supplementary Information. Permitted to lift and carry in accordance with GKD Rated Capacity Indicator (RCI) limits.
16. Details of braking system of trailed vehicles: see Supplementary Information 11 and 12.


Supplementary Information

1. Manufacturer serial / chassis number: Serial No. 13U0161. Fleet No.CX161 Rexquote No.1898.
2. System for vehicle to be on/off tracked: Detailed in Shovlin Maintenance Document SPMM0004
3. Height of underside of rotating superstructure above rail level - 1180 mm.
4. When working the counterweight infringes the W6a gauge by 90mm. RIS-1530-PLT.
5. Detail of boom/jib configuration: 4.73m boom – 2.10m+2.1m Dipper.
6. The vehicle may work with a range of attachments through the dipper link pins or quick hitch.
7. The range of attachments may be used with this machine in association with the RCI Duty Charts. Their use in modes 7.1 or 7.2 (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.
- 7.1 The GKD 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.
- GKD Rated Capacity Indicator system (RCI) may be switched OFF when in digging mode
- 7.2 The GKD 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.
- 8. Load lifting point located at dipper, rated capacity 5 tonnes SWL.
- 9. When working, the counterweight, boom, dipper and attachments can be out of gauge, dependant on the GKD Rated Capacity Indicator (RCI) slew settings in use.
- 10. RCI information :
 - Manufacturer – GKD 3RCI
 - Serial number – 542V
 - RCI Software I/D – 7.15
 - Duty chart reference, issue number and date – 13U0161 – CC431 - 11-Apr-2012 for all load lifting points.
- 11. Vehicle is permitted to tow or propel on rail approved compatible trailers with a maximum total unbraked load not exceeding 10 tonnes, when trailers are fitted with hydraulic breakaway brakes. All brake connections between vehicle and trailers must be fitted, and the trailer must be fitted with automatic breakaway brakes and marker / tail lights. The hydraulic supply pressure for trailer park brake release is 40 bar.
- 12. Vehicle is permitted to tow or propel on rail approved compatible trailers with a maximum total load not exceeding 46 tonnes, when trailers are fitted with hydraulic service brakes. All brake connections between vehicle and trailers must be fitted, and the trailer must be fitted with automatic breakaway brakes and marker/tail lights. The maximum hydraulic pressure delivered from trailer parking brake connections is 0 to 40 bar.
- 13. Machine configuration:
Vehicle is Rexquote rail-conversion of Case CX135 multi-purpose tracked excavator. It operates on-rail in high mode only through hydraulic drive (long wheel-base). It has a one-person cab.

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	1 mph
Maximum speed of vehicle in working mode	10 mph
Maximum speed of vehicle towing/towed	10 mph
Maximum gradient in working 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