

ON-TRACK PLANT

ENGINEERING CONFORMANCE CERTIFICATE

This certificate issued in accordance with RIS-1530-PLT Issue 6.

NAME OF CERTIFICATION BODY

The Atkins Notified Body

ACCREDITATION CODE

NS

Machine Class/Description Road Rail Machine Rexquote/Case 988 SP2M
(Type 9B)

Machine Owner William Bradshaw Plant Hire

Issue Date 19th May 2017


Expiry Date 19th May 2024

Machine Number: 99709 940611-5

First of Class Yes

Certificate Number of First of Class NS/0063/17

Authorised by:



John Chitham
2017.05.19
12:59:02 +01'00'

John Chitham
Atkins OTP and OTM Signatory

Official Stamp

The Atkins Notified Body
A UKAS Accredited
Certification Body No:
6162

Reason for Issue and Scope of Work

Previous Certificate:

Fitment of direct wheel braking system in accordance with Allan J Hargreaves General Arrangement Drawing AJH/RWB/ASY/009.
Scrutiny of associated maintenance plan AJH038 Issue 3.
Fitment of hydraulic service brake line for trailers and subsequent change to limitation 11.

Scope of work for this certificate;

Removal of RCI and fitment of new GKD system and associated features.
Installation of trailer air brake system and breakaway system for both air and hydraulic trailer brakes.
Install and test Earth bond system.
New operation and maintenance instruction handbook APM047, Issue 1 04-2017.
Upgrade to RIS-1530-PLT Issue 6 December 2015.

Deviations Associated with this Certificate

Reference None
 Title None

Previous Certificate Number: RT/EA/0116/13

Approved Maintenance Instructions

ID No.	Title	Issue No.	Date
APM047	Case 988 APEL Instruction and Maintenance Handbook	01	April 2017

Machine Data

Gross Machine Weight	23.1 tonnes	Gauge	Plant (with exceedances)
Maximum Towed Load	46 tonnes	Max Hydraulic Park Brake Pressure	60 Bar
Tailswing Height	1410 mm	Hydraulic Service brake pressure	0-70 Bar
Tailswing gauge exceedance	590 mm	Max Air Park Brake pressure	8 Bar
		Air Service brake pressure	0-8 Bar

Limitations of Use

1. The Machine shall only operate inside possessions.
2. When working, the counterweight, boom, dipper and attachments can be out of gauge. See Machine Data section of this ECC. The machine exceeds plant gauge in working mode in the following ways:
 - a. Tail swing by 590mm
 - b. Boom by up to 7 metres
3. The Machine shall only be on/off-tracked at a RRAP or temporary crossing.
4. When travelling, mirrors shall be folded in.
5. The machine is fitted with an electronic lateral movement limiting device. This system has NOT been approved as a high-performance Movement Limiting and is NOT permitted to operate under ALO configurations where a 'high performance' MLD is required.
6. The machine shall **NOT** on/off-track, travel or work on live conductor-rail lines.
7. The machine is fitted with an electronic height limiting device. This system has NOT been approved as a high-performance Movement Limiting and is NOT permitted to on/off track or work under live OLE.
8. The machine shall **NOT** on/off track or work under live OLE.
9. For access/egress, the machine 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.
10. Movement of boom towards backward stability limit shall be at moderate/low speed.
11. Maximum towed load shall not exceed the maximum value given in the Machine Data section of this ECC.


12. Maximum permitted number of trailers for towing/propelling duties is two.
13. Auxiliary lifting point fitted on the dipper arm, SWL 5000kg.
14. Attachment use shall only comply with the following:
 - Use of the attachment shall not exceed the machines rated capacity for lifting.
 - The RCI shall be switched **ON** (Lifting Mode) for all lifting duties.
 - The RCI shall be switched **ON** (Lifting Mode) when using an attachment that may have a significant adverse effect on stability of the RRV.
 - The RCI shall be switched **ON** (Lifting Mode) when the attachment is powered by the RRV.
 - The RCI may only be switched to non-lifting mode when using attachments for operations other than lifting. Before turning the RCI to non-lift mode (dig mode), the attachment and its contents (e.g. bucket full of ballast if applicable) shall be moved through the planned range of movements with the RCI switched on, to confirm that the planned work is within the machines lifting capacity and stability.
 - Except for the quick hitch, the attachment shall not be connected to the machine during on or off tracking.
15. Ground staff shall control reverse movements in conjunction with the operator.
16. Machine shall be used as defined in the following table:

Maximum speed during recovery	3 mph	Maximum working mode cant	150 mm
Minimum curve radius	80 m	Maximum traveling mode cant	200 mm
Maximum speed over plain line	10 mph	Maximum speed over S&C and raised check and guard rails	5 mph
Maximum on/off-tracking cant	100 mm	Maximum speed when towing/propelling	10 mph
Maximum gradient	1:25		

Supplementary Information

1. Machine is a rail-conversion of road multi-purpose excavator with 4.3m off-set boom and 2.1m dipper arm. The off-set boom functionality has been isolated.
2. It may work with a range of attachments through the dipper arm link pins or approved auxiliary lifting point.
3. Serial No. CGG0232253
4. Fleet No. 24
5. RCI Information:
 - a. Make: GKD
 - b. Model: 3RCi
 - c. Software version 9.24
6. Duty chart reference Case 998, CGG0232253, Fleet No: 24, 4.3m+2.1m, 12 May 2017
7. Permitted number of personnel to be carried in cab: 1

Authorised by:

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