

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 Case 988 SP2S (Type 9B)

Machine Owner Shovlin Ltd

Issue Date 18 December 2017

Expiry Date 12 December 2024

Machine Number: 99709 940521-6

First of Class No

Certificate Number of First of Class NS/0258/17

Authorised by:



Ian Shirtcliffe
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:

Increase in on/off-tracking cant to 150mm.
Installation of air brake system.
Installation of GKD RCI System.
Removal of Certificate of Authorisation of Variation, Tracker No 28555
Upgrade to RIS-1530-PLT issue 6.

Scope of work for this Certificate;

Correction of supplementary information 7
Up issue of operation and maintenance documentation

Deviations Associated with this Certificate

Reference None
 Title None

Previous Certificate Number: NS/0243/17

Approved Maintenance Instructions

ID No.	Title	Issue No.	Date
SPMM0001	Case 988 Rail Mounted Excavator Operation and Maintenance Handbook	5	Dec 2017
AJH080	Hydrovane Compressor Maintenance	1	22/04/2014

Machine Data

Gross Machine Weight	21,680 Kg	Gauge	W6a
Tailswing gauge exceedance	580 mm	Max Hydraulic Park Brake Pressure	100 Bar
Tailswing height	1430 mm	Hydraulic Service brake pressure	0-60 Bar
Maximum No. Trailers	2	Max Air Park Brake pressure	8.5 Bar
Maximum Towed Load	46 tonnes	Air Service brake pressure	0-8.5 Bar

Limitations of Use

1. The machine shall only operate inside possessions.
2. The machine shall only be on/off-tracked at a RRAP or temporary crossing.
3. When travelling, mirrors shall be folded in.
4. When working, the counterweight, boom, dipper and attachments can be out of gauge. See Machine Data section of this ECC.
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 'reliable' MLD is required
6. The machine shall **NOT** on/off-track, travel or work on live conductor-rail lines.
7. The machines 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 operate under energised OLE.
8. 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.
9. Movement of boom towards backward stability limit shall be at moderate/low speed.
10. Maximum towed load shall not exceed the maximum value given in the Machine Data section of this ECC.
11. Maximum permitted number of trailers for towing/propelling duties is two.

12. Auxiliary lifting point fitted on the dipper arm, SWL 5 Tonnes.

13. Attachment use shall only comply with the following:

- Use of the attachment shall not exceed the machine's 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.

14. Reverse movements, the machine shall be controlled by ground staff

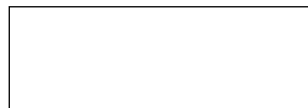
15. Machine shall be used as defined in the following table:

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

Supplementary Information

1. Machine is a rail-conversion of road multi-purpose excavator with 1.8m boom, 3.13m artic and 2.1m dipper arm.
2. It may work with a range of attachments through the dipper arm link pins or approved auxiliary lifting point.
3. Serial No. CGG0232384
4. Fleet No. 2384
5. RCI Information:
 - a. Make: GKD
 - b. Model: 3RCi
 - c. Software: 9.28
6. Duty chart reference Case 988 232384, 11 Dec 2017
7. Permitted number of personnel to be carried in cab:1

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