



On-Track Plant

Engineering Conformance Certificate

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

NAME OF VEHICLE ACCEPTANCE BODY

SNC-Lavalin Rail & Transit Verification Limited

ACCREDITATION CODE

21

Vehicle Class / Description

Road Rail Vehicle Rexquote Case 988 SP2 - Type 9B

Vehicle Owner

Shovlin Plant Hire Ltd

Issue Date

15 December 2023

Expiry Date

15 December 2030

Vehicle Number(s)

99709 940506-7

First Of Class

99709 940512-5 on certificate 21/0471/23 against RIS-1530-PLT Issue 6.

Authorised by:

David Wass

SNC-Lavalin Rail & Transit Verification Limited

OFFICIAL STAMP

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**Reason for issue and Scope of Work**

Certification of upgraded Case 988 Excavator RRV.

Serial No. CGG0231308. Fleet No. Y472.

Assessed for compliance with RIS-1530-PLT Issue 6.

Expiry date conforms to the requirements of RIS-1530-PLT.

Applicant Copy

SN0284822

Certificate Number: 21/0761/23



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Deviations associated with this certificate

Network Rail Derogation, Tracker No. TR96217 applies to this certificate to permit certification to RIS-1530-PLT Issue 6 during transition period to RIS-1530-PLT Issue 7.

Previous Certificate Number

NS/0209/17

Maintenance Plan Details

SPMM0001 - Shovlin Plant Hire Ltd Case 988 Operation and Maintenance Handbook, Issue 7, November 2023.

Limitations of Use

1. The RRV shall only operate inside possessions.
2. When travelling, the machine is within W6a Gauge.
3. When working, the counterweight, boom, dipper and attachments can be out of gauge.
Tail swing gauge exceedance 580mm.
Tail swing height at maximum exceedance 1430mm.
4. The machine shall only on/off track on an approved RRAP and travel under live OLE, when used in conjunction with a safe system of work determined and authorised by taking guidance from the requirements of GE/RT8024, and provided the boom/dipper is in the travel position, subject to a minimum OLE wire height of 4.165m.
Other than the cab, access is NOT permitted onto any surfaces higher than 1.4m above rail when the vehicle is under live OLE.
5. For on/off tracking, a site specific work plan shall be used taking account of the requirements in Network Rail Infrastructure Plant Manual NR/L2/RMVP/0200.
6. The machine shall NOT activate train-operated points.
7. When travelling, mirrors shall be folded in.
8. The machine is fitted with an electronic lateral movement limiting device. This system has NOT been approved as a High Performance Movement Limiting device and is NOT permitted to operate under ALO configurations where a 'reliable' MLD is required.
9. The machine shall NOT on/off track, travel or work on live conductor-rail lines.
10. 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 work under live OLE.
11. 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 into account of adequate safe clearances to adjacent lines.
12. Movement of the boom towards backward stability limit shall be a moderate/low speed.

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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 machine's lifting capacity and stability.
 - Except for the quickhitch, the attachment shall not be connected to the machine during on or off tracking.
14. When reversing, the vehicle shall only proceed as detailed in the safe system of work utilizing the CCTV and ground personnel, until the superstructure/boom can be slewed to face the direction of travel. Account shall also be taken of the prevailing light and visibility levels for the CCTV camera, and the operator's sight-line/view of the track signals ahead.
15. Machine shall only travel on track with:
 - Maximum cant - 200mm;
 - Maximum gradient - 1:25;
 - Minimum curve radius - 80m.
16. Machine shall only on/off track and work on track with:
 - Maximum cant - 150mm;
 - Maximum gradient - 1:25;
 - Minimum curve radius - 80m.
17. The vehicle is permitted to tow and/or propel rail trailers with compatible coupling and brake systems:
 - Maximum weight shall not exceed 46 tonnes /4 trailers.

NOTE: The maximum towed and/or propelled weight may have to be reduced where the railhead conditions for adhesion and/or running gradient may affect the safe traction performance of the vehicle.

Supplementary Information



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1. The machine is a rail-conversion of a road multi-purpose excavator with 1.8m boom, 3.13m artic and 2.1m dipper arm.
It may work with a range of attachments through the dipper arm link pins or approved auxiliary lifting point.
Serial No.: CGG0231308 Fleet No.: Y472
Gross vehicle weight is 21.7 tonnes.
Maximum towed load shall not exceed 46 tonnes.
Maximum number of trailers for towing/propelling is 4.
Maximum speeds travelling on rail not to exceed:-
 - 10mph plain line;
 - 5mph plain line (working);
 - 5mph switches and crossings;
 - 5mph raised check/guard rails;
 - 10mph towing/propelling.Load lifting points:
 - Auxiliary lifting point maximum of 5 tonne SWL.
 - Dipper lifting eye maximum of 10 tonne SWL.RCI information:
 - Model: GKD
 - RCI Duty Charts Reference:
Case 988 231308 y472 Duty Charts - 06/11/2017
 - RCI has tandem lift mode.Machine is fitted with service and parking brakes:
 - Hydraulic Service Brake Pressure: 60Bar;
 - Hydraulic Park Brake Pressure: 0-60Bar;
 - Air Service Brake Pressure: 8.5Bar;
 - Air Park Brake Pressure: 8.5Bar.

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