



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 940/Liebherr/A924 Rail-1510/9B

Vehicle Owner Story Plant Ltd

Issue Date 06 January 2023

Expiry Date 26 March 2028

Vehicle Number(s)

99709 940953-1

First Of Class

AC/0058/21.

Authorised by:

Andrew Hayes
SNC-Lavalin Rail & Transit Verification Limited

Andrew Hayes

OFFICIAL STAMP

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**Reason for issue and Scope of Work**

Certification of Liebherr A924 Rail 1510 Road Rail Vehicle.
Serial No. WLHZ1510CZK127990. Fleet No. RRVW1342.
Originally assessed for compliance with RIS-1530-PLT, Issue 6.
On this certificate: Change of owner only. No engineering change.
Expiry date conforms the requirements of RIS-1530-PLT.

Deviations associated with this certificate

None.

Applicant Copy

SN0217074

Certificate Number: 21/0001/23

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Previous Certificate Number

AC/0121/21.

Maintenance Plan Details

Liebherr A924 Rail-1510 Operation and Maintenance Plan HMM0015; Issue C; 08/03/2021.

Limitations of Use

1. The machine is not permitted outside of a possession.
2. Exceeds plant gauge.
3. The machine exceeds the stated gauge in working mode, see Machine Data section of this ECC. The machine may be used with adjacent lines open to traffic only if a safe system of work to be adopted has taken account of gauge exceedance.
4. If adjacent lines are open to traffic, this machine shall be used only if a safe system of work has been adopted to take account of the extra gauge exceedance caused by attachments.
5. The machine may only operate with the access adjacent to a cess or a line closed to all train movements or the documented safe system of work must take account of adequate safe clearances to adjacent lines.
6. Not to be used ALO on LU.
7. The machine shall not be used on track conditions in excess of those given in the Approved Track Conditions section of this ECC.
8. The maximum number of people to be transported on the machine shall not exceed the value given in the Machine Data section of this ECC.
9. The maximum number of towed / propelled trailers shall not exceed the value given in the Machine Data section of this ECC.
10. The maximum towed / propelled load shall not exceed the value given in the Machine Data section of this ECC.
11. The machine shall not exceed any speeds given in the Approved Maximum Speeds section of this ECC.
12. Ground staff shall control reverse movements.
13. The machine is to proceed at walking speed and ground staff control the movement in reverse until the superstructure can be slewed to face direction of travel.
14. The machine is suitable for On/off-tracking, traveling and working under live OLE when used in conjunction with a safe system of work.
15. The machine shall not travel on live conductor rail lines.
16. The machine shall not work on live conductor rail lines.
17. The machine shall not be used predominantly in enclosed locations.
18. Where an attachment is known to have a significant adverse effect on stability the RCI shall always be in "Lift Mode" when using the attachment.
19. Lifts shall not exceed any SWL given in the approved values section of this ECC.

Supplementary Information

Applicant Copy

Certificate Number: 21/0001/23

SN0217074

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1. The machine's first approval was assessed against RIS-1530-PLT issue 6.
2. The machine is fitted with:
 - Three-piece boom: 2.08m + 3.40m + 1.85m.
3. The machine is approved for use with:
 - AJH 1001-3511 "rhino horn" extended jib lifting attachment.
4. The machine is fitted with a High Performance Movement Limiting Device. The Movement Limiting Device is considered to be High Performance when using the Rhino Horn lifting attachment.
5. Duty chart reference: Liebherr A924, K127990, 25-Mar-2021.
6. WLHZ1510CZK127990. Fleet No. RRVW1342.

Machine Data

Gross mass	24,400kg	Gauge	Plant
Travelling mode Plant Gauge exceedance	114mm vertically in lower sector W6a Gauge compliant		
Tailswing gauge exceedance	700mm	Tailswing Height	1425mm
Front end equipment gauge exceedance	5690mm	Front end equipment gauge exceedance (w.	8690mm
Hydraulic park brake pressure	100 bar	Hydraulic service brake pressure	80 bar
Air service brake pressure	8.5 bar	Air park brake pressure	8.5 bar
Software Version (inc. RC1)	9.58		

Approved Values

Main load lifting point SWL	10,000kg	Auxiliary lifting point SWL	7,500kg
Rhino Horn SWL	3,000kg		
Maximum towed load	80,000kg	Maximum number of trailers	4
Maximum non-service braked towed load	0 (zero) kg	Maximum number of people	2

Approved Track Conditions

	Travelling Mode	Working Mode	On/off tracking
Maximum gradient	1:25	1:25	1:25
Maximum cant	150 mm	150 mm	150mm
Minimum curve radius	80 m	80m	

Use in Electrified Areas

		Travelling Mode	Working Mode	On/off tracking
Overhead Line Equipment	Live	Yes	Yes	Yes
	Isolated	Yes	Yes	Yes
3rd / 4th Rail	Live	No	No	No
	Isolated	Yes	Yes	Yes



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Approved Maximum Speeds

	Travelling Mode	Working Mode
Plain Line	12.5mph	5mph
Switches and Crossings	5mph	5mph
Raised check and guard rails	5mph	5mph
Reverse	5mph	5mph
Towing	8mph	5mph

Authorised by:

Andrew Hayes

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