



## 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 April 2021

**Expiry Date** 19 February 2028

**Vehicle Number(s)**

99709 940951-5

**First Of Class**

99709 940948-1 on AC/0058/21.

**Authorised by:**

Luke Tandy   
SNC-Lavalin Rail & Transit Verification Limited

**OFFICIAL STAMP**

**SNC-LAVALIN**

**Reason for issue and Scope of Work**

Certification of upgraded Liebherr A924 Rail-1510 Road Rail Vehicle.

Serial No. WLHZ1510CZK126127. Story Fleet No. RRVW1340.

Originally assessed for compliance with RIS-1530-PLT Issue 6.

On this certificate: Change of owner only. No engineering change.

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

**Deviations associated with this certificate**

None

**Applicant Copy**

SN0217074

**Certificate Number:** 21/0253/21

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# On-Track Plant

## Previous Certificate Number

AC/0063/21.

## Maintenance Plan Details

HMM0015 Liebherr A924 Rail-1510 Operation and Maintenance Plan. Issue B. Date 24/11/2020.

## Limitations of Use

Limitations of Use taken from certificate AC/0063/21:

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.

**Applicant Copy**

**Certificate Number: 21/0253/21**

**SN0217074**

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# On-Track Plant

## Supplementary Information

Supplementary Information taken from certificate AC/0063/21:

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, K126127, 18-Feb-2021.
6. Manufacturer Serial No. WLHZ1510CZK126127. Story Fleet No. RRVW1340.

### Machine Data

<b>Gross Mass</b>	24,400kg	<b>Gauge</b>	Plant
<b>Travelling mode Plant gauge exceedance</b>		114mm vertically in lower sector W6a gauge compliant	
<b>Tailswing gauge exceedance</b>	700mm	<b>Tailswing Height</b>	1425mm
<b>Front end equipment gauge exceedance</b>	5690mm	<b>Front end equipment gauge exceedance (w. Rhino Horn)</b>	8690mm
<b>Hydraulic park brake pressure</b>	100bar	<b>Hydraulic service brake pressure</b>	80bar
<b>Air service brake pressure</b>	8.5bar	<b>Air park brake pressure</b>	8.5bar
<b>Software version (inc. RCI)</b>	9.58		

### Approved Values

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

### Approved Track Conditions

	Travelling Mode	Working Mode	On/off Tracking
<b>Maximum gradient</b>	1:25	1:25	1:25
<b>Maximum cant</b>	150mm	150mm	150mm
<b>Maximum curve radius</b>	80m	80m	

### Use in Electrified Areas

		Travelling Mode	Working Mode	On/off Tracking
<b>Overhead Line Equipment</b>	<b>Live</b>	Yes	Yes	Yes
	<b>Isolated</b>	Yes	Yes	Yes
<b>3rd/4th Rail</b>	<b>Live</b>	No	No	No
	<b>Isolated</b>	Yes	Yes	Yes



# On-Track Plant

## 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:

Luke Tandy

