



## ON-TRACK PLANT

### ENGINEERING CONFORMANCE CERTIFICATE

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

<b>NAME OF CERTIFICATION BODY</b>	<b>ACCREDITATION CODE</b>
<b>AEGIS Certification Services Ltd</b>	<b>AC</b>

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<b>Machine Class/Description</b>	Liebherr R920 Rail
<b>Machine Owner</b>	Story Plant Ltd
<b>Issue Date</b>	08 <sup>th</sup> July 2022
<b>Expiry Date</b>	08 <sup>th</sup> July 2029

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**Machine Number:**            **99709 911412-3**

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<b>First of Class</b>	No
<b>Certificate Number of First of Class</b>	AC/0106/22

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**Authorised by:**



Sam Barrett  
AEGIS PAB Signatory

**Official Stamp**



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#### Reason for Issue and Scope of Work

Previous Certificate:

N/A - This is the first certification of this machine.

This certificate:

This is the first approval of this machine against RIS-1530-PLT issue 6.

**Plant Asset Manager Copy**

**Certificate Number: AC/0279/22**

**Deviations Associated with this Certificate**

**Tracker Number** TR71840  
**Description** Certificate of Authorisation of Variation Allan Hargreaves Plant Engineers Ltd – GKD Wireless link for Tandem Lifting facility.

**Previous Certificate Number:** N/A First approval

**Approved User Documentation**

<b>ID No.</b>	<b>Title</b>	<b>Issue No.</b>	<b>Date</b>
HMM0021	Operation and Maintenance Manual	C	09/03/2022
12201151	Liebherr Original Operators Manual	01	16/07/2020
12214598	Liebherr Original Maintenance Manual	02	10/06/2020

**Machine Data**

<b>Gross Mass</b>	31,600 kg	<b>Work equipment gauge exceedance</b>	6290 mm
<b>Gauge</b>	Plant	<b>Tailswing Height</b>	1413 mm
<b>Tailswing gauge exceedance</b>	673 mm	<b>Hydraulic service brake pressure</b>	60 bar
<b>Hydraulic park brake pressure</b>	60 bar	<b>Air park brake pressure</b>	8.5 bar
<b>Air service brake pressure</b>	8.5 bar	<b>Software version (inc. RCI)</b>	9.61

**Approved Values**

<b>Maximum number of people</b>	1	<b>Auxiliary lifting point SWL</b>	7,500 kg
<b>Main load lifting point SWL</b>	10,000 kg	<b>Maximum number of trailers</b>	4
<b>Maximum towed load</b>	80,000 kg		

**Approved Track Conditions**

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

**Use in Electrified Areas**

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

**Approved Maximum Speeds**

	<b>Travelling Mode</b>	<b>Working Mode</b>
<b>Plain Line</b>	15mph	5mph
<b>Switches and Crossings</b>	5mph	5mph
<b>Raised check and guard rails</b>	5mph	5mph
<b>Reverse</b>	5mph	5mph
<b>Towing</b>	8mph	5mph

**Limitations of Use**

1. The machine is not permitted outside of a possession.
2. 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.
3. 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.
4. 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.
5. Not to be used ALO on LU.
6. The machine shall not be used on track conditions in excess of those given in the Approved Track Conditions section of this ECC.
7. 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.
8. The maximum number of towed / propelled trailers shall not exceed the value given in the Machine Data section of this ECC.
9. The maximum towed / propelled load shall not exceed the value given in the Machine Data section of this ECC.
10. The hydraulic braking system may be used if the host machine is not compatible with the air brake system, however if the host machine is compatible, the air brake system shall be used.
11. The machine shall not exceed any speeds given in the Approved Maximum Speeds section of this ECC.

12. 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.
13. The machine is suitable for on/off-tracking, traveling and working under live OLE when used in conjunction with a safe system of work.
14. The machine shall not travel on live conductor rail lines.
15. The machine shall not work on live conductor rail lines.
16. 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.
17. Lifts shall not exceed any SWL given in the approved values section of this ECC.

### Supplementary Information

1. The machine's first approval was assessed against RIS-1530-PLT issue 6.
2. The machine is fitted with a High Performance Movement Limiting Device.
3. The machine is fitted with:
  - 2.08 m boom
  - 3.61 m artic
  - 2.26 m dipper
4. The machine is approved for use with:
  - AJH 1001-3511 "rhino horn" extended jib
5. Duty chart reference: Liebherr R920, 55112, Date 07-Jul-2022
6. This machine is fitted with the GKD Wireless link tandem lift facility. When utilising this system, the machine is not required to derate the Safe Working Load by 67% when tandem lifting, as permitted by derogation TR71840

Serial Number	55112
Fleet Number	RRVT1365
AJH serial number	SK100456

Authorised by:

Sam Barrett  
AEGIS PAB Signatory