

ON-TRACK PLANT

ENGINEERING CONFORMANCE CERTIFICATE

This certificate is issued in accordance with RIS-1710-PLT Issue 2.1

NAME OF CERTIFICATION BODY
AEGIS Certification Services Ltd

ACCREDITATION CODE
AC

Machine Class/Description Liebherr R920 Rail
Machine Owner Story Plant Ltd
Issue Date 30th September 2022
Expiry Date 30th September 2029

Machine Number: **99709 911413-1**

First of Class No
Certificate Number of First of Class AC/0106/22

Authorised by:



B. A. Clarke
AEGIS PAB Signatory



10221

Official Stamp



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.

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

ID No.	Title	Issue No.	Date
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

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

Approved Values

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

Approved Track Conditions

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

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

Approved Maximum Speeds

	Travelling Mode	Working Mode
Plain Line	15mph	5mph
Switches and Crossings	5mph	5mph
Raised check and guard rails	5mph	5mph
Reverse	5mph	5mph
Towing	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 a 9A road rail conversion by Allan Hargreaves Plant Engineers Ltd.
3. The machine is fitted with a High Performance Movement Limiting Device.
4. The machine is fitted with:
 - 2.08 m boom
 - 3.61 m artic
 - 2.26 m dipper
5. The machine is approved for use with:
 - AJH 1001-3511 "rhino horn" extended jib
6. Duty chart reference: Liebherr R920, 54956, Date 28-Sept-2022
7. 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	54956
Fleet Number	SK100457
AJH serial number	RRVT1366