

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 - (Type 9A)

Machine Owner Story Plant

Issue Date 15th April 2025

Expiry Date 15th April 2032

Machine Number: **ZZ709 911462-8**

First of Class No

Certificate Number of First of Class AC/0113/25

Authorised by:


ACS-ACL-1486
B. A. Clarke
AEGIS PAB Signatory



Reason for Issue and Scope of Work

Previous Certificate:

N/A – New build.

This certificate:

First approval to RIS-1530-PLT issue 7.2

Deviations Associated with this Certificate

Tracker Number None
Description None

Previous Certificate Number: N/A – New build

Approved User Documentation

ID No.	Title	Issue No.	Date
HMM0021	Liebherr R920 Rail Operation & Maintenance Manual	D	30/05/2024

Machine Data

Gross Mass	31,800 kg	Gauge	Plant
Work equipment gauge exceedance	6290 mm	Tailswing gauge exceedance	673 mm
Tailswing Height	1,413 mm	Hydraulic park brake pressure	60 bar
Hydraulic service 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	Main load lifting point SWL	10,000 kg
Auxiliary lifting point SWL	7,500 kg	Maximum towed load	80,000 kg
Maximum number of trailers	4	Maximum non-service braked towed load	0 (Zero) 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	

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	15 mph	5 mph
Switches and Crossings	5 mph	5 mph
Raised check and guard rails	5 mph	5 mph
Reverse	5 mph	5 mph
Towing	8 mph	5 mph

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 maximum number of people to be transported on the machine shall not exceed the value given in the Machine Data section of this ECC.
7. The maximum number of towed / propelled trailers shall not exceed the value given in the Machine Data section of this ECC.
8. The maximum towed / propelled load shall not exceed the value given in the Machine Data section of this ECC.
9. 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.
10. The machine shall not exceed any speeds given in the Approved Maximum Speeds section of this ECC.
11. The CCTV system shall be used to control reverse movements.

12. The machine is suitable for On/off-tracking, traveling and working under live OLE when used in conjunction with a safe system of work.
13. The machine shall not travel on live conductor rail lines.
14. The machine shall not work on live conductor rail lines.
15. 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.
16. 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 7.2.
2. The machine is fitted with:
 - 2.08m Boom, 3.61m Artic, 2.26m Dipper
3. The machine is approved for use with the following attachments:
 - AJH 1001-3511 "rhino horn" extended jib lifting attachment
4. The machine is fitted with a High Performance Movement Limiting Device.
5. Duty chart reference: Liebherr 920 - 57817 - 11-April-2025

Serial Number	57817
Fleet Number	RRVT1380