



## 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>	AJH Plant / Komatsu PW160-11 Rail Raider Mk2 (Type 9B)
<b>Machine Owner</b>	L&W Contractors Ltd
<b>Issue Date</b>	4 <sup>th</sup> March 2022
<b>Expiry Date</b>	4 <sup>th</sup> March 2029

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<b>Machine Number:</b>	<b>99709 940980-4</b>
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<b>First of Class</b>	No
<b>Certificate Number of First of Class</b>	AC/0049/22

**Authorised by:**



Alastair W. R. Roberts  
AEGIS PAB Signatory

**Official Stamp**



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#### Reason for Issue and Scope of Work

Previous Certificate:  
N/A – First certificate

This certificate:  
New build to RIS-1530-PLT issue 6

**Deviations Associated with this Certificate**

**Tracker Number**           None  
**Description**               None

**Previous Certificate Number:** N/A – First certificate

**Approved User Documentation**

<b>ID No.</b>	<b>Title</b>	<b>Issue No.</b>	<b>Date</b>
HMM0008	Rail Raider Mk2 Operation and Maintenance Manual	E	06/09/21

**Machine Data**

<b>Gross Mass</b>	25 500 kg	<b>Gauge</b>	Plant
<b>Travelling mode gauge exceedance (upper limit)</b>	40 mm	<b>Work equipment gauge exceedance</b>	6290 mm
<b>Work equipment gauge exceedance (rhino horn)</b>	9290 mm	<b>Software version</b>	9.58
<b>Tailswing gauge exceedance</b>	785 mm	<b>Tailswing Height</b>	1460 mm
<b>Hydraulic park brake pressure</b>	65 bar	<b>Hydraulic service brake pressure</b>	85 bar
<b>Air service brake pressure</b>	8.5 bar	<b>Air park brake pressure</b>	8.5 bar

**Approved Values**

<b>Maximum number of people</b>	2	<b>Maximum non-service braked towed load</b>	0 (zero) kg
<b>Maximum towed load</b>	80 000 kg	<b>Maximum number of trailers</b>	4
<b>Main load lifting point SWL</b>	10 000 kg	<b>Quick Hitch SWL</b>	13 000 kg
<b>Auxiliary lifting point SWL</b>	7 500kg	<b>Rhino Horn SWL</b>	3 000 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>	50 m	50 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>	15 mph	5 mph
<b>Switches and Crossings</b>	5 mph	5 mph
<b>Raised check and guard rails</b>	5 mph	5 mph
<b>Reverse</b>	5 mph	5 mph
<b>Towing</b>	8 mph	5 mph

**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. 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. The machine shall not be used predominantly in enclosed locations.
17. 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.
18. 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:
  - 2.00 m boom
  - 3.47 m artic
  - 2.50 m dipper
3. The machine is approved for use with:
  - Miller Komatsu PC130 PL Coupler Quick Hitch
  - AJH 1001-3511 "rhino horn" extended jib
4. The machine is fitted with a High Performance Movement Limiting Device.
5. Duty chart reference: Komatsu PW160-11, H65390, 2-Mar-2022
6. This machine can be used with all compatible personnel carriers.

Komatsu Serial Number	H65390
AJH Plant	SK100401
Fleet Number	RRV165

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Authorised by:

Alastair W. R. Roberts  
AEGIS PAB Signatory

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