



## 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>	Komatsu PW160 Type 9B
<b>Machine Owner</b>	L&W Contractors Ltd
<b>Issue Date</b>	7 <sup>th</sup> February 2022
<b>Expiry Date</b>	25 <sup>th</sup> January 2029

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**Machine Number:**            **99709 940973-9**

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<b>First of Class</b>	Yes
<b>Certificate Number of First of Class</b>	AC/0047/22

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**Authorised by:**



Alastair W. R. Roberts  
AEGIS PAB Signatory

**Official Stamp**



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#### Reason for Issue and Scope of Work

Previous Certificate:

Amendment of Limitations to remove any previous references to operation under live OLE, deletion of reference to towing of hydraulic park-brake only trailers but the hydraulic control system has not been removed, new Supplementary Information 10, up-issued L&W maintenance manual. No engineering change.

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

**Network Rail Asset Info. Copy**

**Certificate Number: AC/0047/22**

This certificate:

Upgrade to RIS-1530-PLT Issue 6.  
 Change rail gear from 9A to 9B.  
 Change of POV number.

**Deviations Associated with this Certificate**

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

**Previous Certificate Number: 21/1484/16**

**Approved User Documentation**

<b>ID No.</b>	<b>Title</b>	<b>Issue No.</b>	<b>Date</b>
RQM60147v15	KOMATSU PW160-7 v15 MEGARAILER	One	24 <sup>th</sup> January 2022

**Machine Data**

<b>Gauge</b>	W6a	<b>Gross mass</b>	22,800 kg
<b>Tailswing gauge exceedance</b>	690 mm	<b>Work equipment gauge exceedance</b>	6790 mm
<b>Air service brake pressure</b>	8 bar	<b>Tailswing Height</b>	1385mm
<b>Software version (inc. RCI)</b>	9.60	<b>Air park brake pressure</b>	8 bar

**Approved Values**

<b>Maximum number of people</b>	2	<b>Maximum number of trailers</b>	3
<b>Main load lifting point SWL</b>	10,000 kg	<b>Maximum towed load</b>	48,000 kg
<b>Quick Hitch SWL</b>	13,000 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>	200 mm	150 mm	100 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>	16mph	1.5mph
<b>Switches and Crossings</b>	5mph	1.5mph
<b>Raised check and guard rails</b>	5mph	1.5mph
<b>Reverse</b>	3mph	1.5mph
<b>Towing</b>	10mph	1.5mph

**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 cannot be relied upon to activate train operated points.
9. 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.
10. The maximum number of towed / propelled trailers shall not exceed the value given in the Machine Data section of this ECC.
11. The maximum towed / propelled load shall not exceed the value given in the Machine Data section of this ECC.
12. The machine shall not exceed any speeds given in the Approved Maximum Speeds section of this ECC.
13. Ground staff shall control reverse movements.

14. 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.
15. The machine is suitable for on/off-tracking, traveling and working under live OLE when used in conjunction with a safe system of work.
16. The machine shall not travel on live conductor rail lines.
17. The machine shall not work on live conductor rail lines.
18. The machine shall not be used predominantly in enclosed locations.
19. 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.
20. Lifts shall not exceed any SWL given in the approved values section of this ECC.

### Supplementary Information

1. The machine's re-approval for seven years was assessed against RIS-1530-PLT issue 6.
2. The machine is fitted with:
  - 5.15m Boom + 2.10m Dipper
  - Miller HQKM04D1A Quick Hitch
3. The machine is fitted with a High Performance Movement Limiting Device.  
Duty chart reference: Komatsu PW160-7 2325 5.15m + 2.10m 7-Feb-2022

Serial Number	2325
Fleet Number	RRV133
Komatsu Serial Number	H55173

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**Authorised by:**

Alastair W. R. Roberts  
AEGIS PAB Signatory

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