



ON-TRACK PLANT

ENGINEERING CONFORMANCE CERTIFICATE

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

NAME OF CERTIFICATION BODY	ACCREDITATION CODE
AEGIS Certification Services Ltd	AC

Machine Class/Description	Komatsu PW160 Type 9B
Machine Owner	L&W Contractors Ltd
Issue Date	14 th July 2022
Expiry Date	10 th June 2029

Machine Number: **99709 940971-3**

First of Class	Yes
Certificate Number of First of Class	AC/0254/22

Authorised by:



Alastair W. R. Roberts
AEGIS PAB Signatory

Official Stamp



Reason for Issue and Scope of Work

Previous Certificate:

new Supplementary Information 10, up-issued L&W maintenance plan, deletion of the previous certificate reference permitting the towing of hydraulic park-brake only trailers but the hydraulic control system has not been removed. No engineering change.

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: 21/1477/16

Approved User Documentation

ID No.	Title	Issue No.	Date
RQM60147v15 /v16	KOMATSU PW160-7 v15/v16 MEGARAILER	One	24 th July 2022

Machine Data

Gauge	W6a	Gross mass	23,900 kg
Tailswing gauge exceedance	690 mm	Work equipment gauge exceedance	6790 mm
Air service brake pressure	8 bar	Tailswing Height	1385mm
Software version (inc. RCI)	9.61	Air park brake pressure	8 bar

Approved Values

Maximum number of people	2	Maximum number of trailers	3
Main load lifting point SWL	10,000 kg	Maximum towed load	48,000 kg
Quick Hitch SWL	13,000 kg		

Approved Track Conditions

	Travelling Mode	Working Mode	On/off-tracking
Maximum gradient	1:25	1:25	1:25
Maximum cant	200 mm	150 mm	100 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	16mph	1.5mph
Switches and Crossings	5mph	1.5mph
Raised check and guard rails	5mph	1.5mph
Reverse	3mph	1.5mph
Towing	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:
 - 2m Boom + 3.4m Artic + 2.5m dipper
 - Miller HQKM04D1A Quick Hitch
3. The machine is fitted with a High Performance Movement Limiting Device.
4. Duty chart reference: Komatsu PW160-7 2355 2m + 3.40m + 2.5m 20-Jun-2022

Serial Number	2355
Fleet Number	RRV140
Komatsu Serial Number	H55777

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