



ON-TRACK PLANT

ENGINEERING CONFORMANCE CERTIFICATE

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


NAME OF CERTIFICATION BODY	ACCREDITATION CODE
AEGIS Certification Services Ltd	AC

Machine Class/Description	AJH Plant/Komatsu PW160 Rail Raider (Type 9B)
Vehicle Owner	L&W Contractors Ltd
Issue Date	17 th December 2019
Expiry Date	17 th December 2026

Vehicle Number: 99709 940 909-3

First of Class	No
Certificate Number of First of Class	AC/0112/18

Authorised by:

 Digitally signed by AW Roberts Date: 2019.12.17 12:25:51 Z
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Alastair W R Roberts
AEGIS PAB Signatory

Official Stamp



Reason for Issue and Scope of Work

Previous Certificate:
N/A – First certificate

This certificate:
Approval of new build machine to RIS-1530-PLT issue 6.

Plant Asset Manager Copy

Certificate Number: AC/0255/19

Deviations Associated with this Certificate

Reference None

Previous Certificate Number: N/A first approval

Approved Maintenance Instructions

ID No.	Title	Issue No.	Date
AJH124	Komatsu PW160 Operation and Maintenance Instruction	2	03/08/18
AJH038	Type 9B Rail Wheel Braking Operation and Maintenance	9	27/09/18
AJH080	Hydrovane maintenance manual	1	22/04/14
AJH113	Equipotential bonding	2	19/02/18
AJH121	GKD Proportional Spaceguard operation and maintenance	5	15/05/19

Machine Data

Gross Mass	23 500 kg	-	-
Tailswing gauge exceedance	850 mm	Tailswing Height	1475 mm
Front end equipment gauge exceedance	6300 mm	Gauge	Plant (with exceedance)
Air service brake pressure	8 bar	Air park brake pressure	8 bar
Software version (inc. RCI)	9.39	-	-

Approved Values

Maximum number of people	2		
Bucket pin SWL	10 000kg	Quick Hitch ALP SWL	13 000 kg
Maximum towed load	46 000 kg	Maximum number of trailers	4

Approved Track Conditions

	Travelling Mode	Working Mode	On/off-tracking
Maximum gradient	1:25	1:25	1:25
Maximum cant	200 mm	150 mm	150 mm
Minimum curve radius	80 m	80 m	-

Approved Maximum Speeds

	Travelling Mode	Working Mode
Plain Line	12.5 mph	5 mph
S&C and check / guard rails	5 mph	5 mph
Reverse	5 mph	5 mph
Towing	8 mph	8 mph

Limitations of Use

1. The machine shall not be used outside a possession.
2. The maximum number of people transported on this machine shall not exceed the value given in the Approved Values section of this ECC.
3. Lifts shall not exceed any SWL given in the Approved Values section of this ECC.
4. The maximum towed load shall not exceed the value given in the Approved Values section of this ECC.
5. The maximum number of trailers shall not exceed the number given in the Approved Values section of this ECC.
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 machine speed shall not exceed the values given in the Approved Maximum Speeds section of this ECC.
8. The machine exceeds Plant Gauge in traveling mode. The cab exceeds gauge 120mm vertically, measured from a point on the upper limit of Plant Gauge 165mm towards track centre line from the extreme lateral limit of Plant Gauge.
9. The machine exceeds plant gauge in working mode, see Machine Data section of this ECC for tailswing and front end equipment exceedance. 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.
10. The machine shall proceed at walking speed and ground staff shall control the movement in reverse until the superstructure can be slewed to face direction of travel.
11. 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.
12. Not to be used ALO on LU.
13. 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
14. The machine is suitable for on/off-tracking, traveling and working under live OLE when used in conjunction with a safe system of work.
15. The machine shall not be used 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. The machine shall not be used predominantly in enclosed locations.

Supplementary Information

1. This machine's first approval was assessed against RIS-1530-PLT issue 6.
2. The machine is fitted with a High Performance MLD.
3. Duty chart reference: Komatsu PW160 – H55919 – Load Charts – BP+QH 16/12/19.

Komatsu Serial Number	H55919
AJH Plant Serial Number	SK100075
Fleet Number	RRV159

Authorised by:

A. Roberts
Digitally signed
by AW Roberts
Date: 2019.12.17
12:26:22 Z

Alastair W R Roberts
AEGIS PAB Signatory
