

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 AJH Plant / Komatsu PW160-11 Rail Raider Mk2
(Type 9B)

Machine Owner L&W Contractors Ltd

Issue Date 3rd November 2022

Expiry Date 3rd November 2029

Machine Number: 99709 940993-7

First of Class No

Certificate Number of First of Class AC/0049/22

Authorised by:



Alastair W R Roberts
AEGIS PAB Signatory



10221

Official Stamp



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

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

Machine Data

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

Approved Values

Maximum number of people	2	Maximum non-service braked towed load	0 (zero) kg
Maximum towed load	80 000 kg	Maximum number of trailers	4
Main load lifting point SWL	10 000 kg	Quick Hitch SWL	13 000 kg
Auxiliary lifting point SWL	7 500kg	Rhino Horn SWL	3 000 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	50 m	50 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. 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 a Komatsu PW160-11 road rail conversion by Allen J Hargreaves Plant Engineers Ltd.
3. The machine is fitted with:
 - 2.00 m boom
 - 3.47 m artic
 - 2.50 m dipper
4. The machine is approved for use with:
 - Miller Komatsu PC130 PL Coupler Quick Hitch
 - AJH 1001-3511 "rhino horn" extended jib
5. The machine is fitted with a High Performance Movement Limiting Device.
6. Duty chart reference: Komatsu PW160-11, H65514, 2-Nov-2022
7. This machine can be used with all compatible personnel carriers.

Serial Number	H65514
AJH Plant	SK100523
Fleet Number	RRV172