

## 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**

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**Machine Class/Description** Philmor 5m Rail Trailer 5020HSAS (Type 0A)  
**Machine Owner** William Bradshaw Plant Hire  
**Issue Date** 27<sup>th</sup> October 2023  
**Expiry Date** 27<sup>th</sup> October 2030

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**Machine Number:** **99709 010495-8**

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**First of Class** No  
**Certificate Number of First of Class** AC/467/20

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**Authorised by:**



ACS-MFR-874



10221

**Official Stamp**



AEGIS PAB Signatory

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#### Reason for Issue and Scope of Work

Previous Certificate:

Upgrade to RIS-1530-PLT issue 6, 5 December 2016.

New instruction and maintenance handbook.

Machine description updated from 5020HHS to 5020HAS (to reflect installation of air brake system).

Temporary Variation issued against clauses 5.7.4.3 (G 5.7.4.3.1) to permit use of hydraulic park and service brake system.

This certificate:

Upgraded to requirements of RIS-1530-PLT issue 6

**Deviations Associated with this Certificate**

**Tracker Number**           None

**Description**               None

**Previous Certificate Number:** NS/0089/17

**Approved User Documentation**

<b>ID No.</b>	<b>Title</b>	<b>Issue No.</b>	<b>Date</b>
ZM50004828	Instruction & Maintenance Handbook Philmor T Series Rail Trailers	1	September 2020

**Machine Data**

<b>Gauge</b>	W6a		
<b>Gross Mass</b>	23 100 kg	<b>Tare mass</b>	3 100 kg
<b>Hydraulic park brake pressure</b>	180 bar	<b>Hydraulic service brake pressure</b>	60 bar
<b>Air service brake pressure</b>	0-8 bar	<b>Air park brake pressure</b>	4-8 bar

**Approved Values**

<b>Payload</b>	20 000kg	<b>Maximum number of people (Flat bed)</b>	0
<b>Maximum number of people (Philmor Quarter carrier)</b>	5	<b>Maximum number of people (Philmor Full carrier)</b>	30

**Approved Track Conditions**

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

**Use in Electrified Areas**

		<b>Travelling Mode</b>	<b>On/off-tracking</b>
<b>Overhead Line Equipment</b>	<b>Live</b>	Yes	Yes
	<b>Isolated</b>	Yes	Yes
<b>3<sup>rd</sup> / 4<sup>th</sup> Rail</b>	<b>Live</b>	No	No
	<b>Isolated</b>	Yes	Yes



**Approved Maximum Speeds**

	<b>Travelling Mode</b>
<b>Plain Line</b>	10 mph
<b>Switches and Crossings</b>	5 mph
<b>Raised check and guard rails</b>	5 mph
<b>Reverse</b>	10 mph

**Limitations of Use**

1. The trailer is not permitted outside of a possession.
2. Not to be used ALO on LU.
3. The trailer shall not be used on track conditions in excess of those given in the Approved Track Conditions section of this ECC.
4. The trailer cannot be relied upon to activate train operated points.
5. The trailer shall only on/off-track unladen.
6. The maximum number of people to be transported on the trailer shall not exceed the value given in the Machine Data section of this ECC.
7. The maximum payload shown in the Machine Data section of this ECC shall not be exceeded.
8. The hydraulic braking system may be used if the host machine is not compatible with the air brake system, however if the host machine is compatible, the air brake system shall be used.
9. The trailer shall not exceed any speeds given in the Approved Maximum Speeds section of this ECC.
10. The trailer is suitable for On/off-tracking and traveling under live OLE when used in conjunction with a safe system of work.
11. The trailer shall not travel on live conductor rail lines.
12. The machine shall not work on live conductor rail lines.
13. The trailer shall not be used predominantly in enclosed locations.
14. Trailer may be fitted with Philmor Personnel Carrier or other Philmor approved personnel carrying attachments. Any such attachment shall only be fitted and used in accordance with Philmor document CP001 Trailer Personnel Carriers, and the Method Statement for the possession. The traction cut-out and emergency brake application control from the personnel carrying attachment to the towing Machine shall be verified as correct and operational before each use.

**Supplementary Information**

1. The trailer's re-approval for seven years was assessed against RIS-1530-PLT issue 06.
2. The trailer is approved for use with the following Demountable Modules:
  - Philmor Personnel Carrier – Quarter Carrier
  - Philmor Personnel Carrier – Full Carrier

Serial Number	2191
Fleet Number	100

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