

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 Thwaites TD12 Type 9B

Machine Owner Shovlin Plant Hire Ltd

Issue Date 8th December 2022

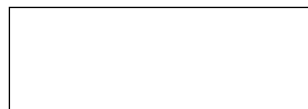
Expiry Date 1st December 2029

Machine Number: **99709 949028-3**

First of Class Yes

Certificate Number of First of Class AC/0416/22

Authorised by:



Sam Barrett
AEGIS PAB Signatory



10221

Official Stamp



Reason for Issue and Scope of Work

Previous Certificate:

Tracker No. 14788: To allow the continued usage of the listed vehicle to continue towing and propelling trailers with Hydraulic service and park brakes.

Fitment of Rail wheel braking system in accordance with Rexquote RWB Upgrade Assembly Drawing ASY-3056, TD12 Front RWB Front ASSY-ASY-3031, TD12 Rear RWB ASSY-ASY3046, Hydraulic schematics HYD-1973, Thwaites TD12 Mk1 RWB HCD-0233, TD12 RWB Only Upgrade ECD-0266, and the associated maintenance documentation RQMA0043, Issue 12, dated 11th August 2014.

Direct Rail Wheel Braking (DRWB) – tested and is compliant with Network Rail document TS-T01122-0018, 11/12/2013.

Special limitations are transferred from previous certificate IF/0884/06 with the addition of Special Limitations A4, C11 and Item 6, Supplementary Information.
Braking Configuration Modification installed in accordance with Rexquote document RQD0235, Rexquote Thwaites TD12, Mk1 RRV Rail Wheel braking system dated 20/06/2014 and hydraulic schematic HCD-0233, Initial, issue 1, 08/5/14

This certificate:

Owner name change from Philip Shovlin Plant Hire Ltd to Shovlin Plant Hire Ltd
Fitment of approved air braking system as per AC/0158/22
Upgrade to RIS-1530-PLT issue 6

Deviations Associated with this Certificate

Tracker Number None
Description None

Previous Certificate Number: NS/5162/15

Approved User Documentation

ID No.	Title	Issue No.	Date
SPMM0005	Shovlin Plant Hire LTD Thwaites TD12 Maintenance Plan	4	December 2022

Machine Data

Gross Mass	23,500 kg	Tare mass	10,400 kg
Gauge	Plant	Work equipment gauge exceedance	See module table
Hydraulic Park brake pressure	40 bar	Hydraulic service brake pressure	40 bar
Air service brake pressure	8 bar	Air Park brake pressure	8 bar

Approved Values

Maximum number of people	2	Payload	13,100 kg
Maximum Air towed load	26,000 kg	Maximum number of trailers with Air	3
Maximum Hydraulic towed load	140,000 kg	Maximum number of trailers with Hydraulic	6
Maximum non-service braked towed load	0 kg (zero)		

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	

Use in Electrified Areas

		Travelling Mode	Working Mode	On/off-tracking
Overhead Line Equipment	Live	See module table		
	Isolated	See module table		
3rd / 4th Rail	Live	No	No	No
	Isolated	Yes	Yes	Yes

Approved Maximum Speeds

	Travelling Mode	Working Mode
Plain Line	16 mph	1.5 mph
Switches and Crossings	5 mph	1.5 mph
Raised check and guard rails	5 mph	1.5 mph
Reverse	3 mph	1.5 mph
Towing	5 mph	1.5 mph

Limitations of Use

1. The machine is not permitted outside of a possession.
2. 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.
3. 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.
4. Not to be used ALO on LU.
5. The machine shall not be used on track conditions in excess of those given in the Approved Track Conditions section of this ECC.
6. 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.
7. The maximum payload shown in the Machine Data section of this ECC shall not be exceeded.
8. The maximum number of towed / propelled trailers shall not exceed the value given in the Machine Data section of this ECC.
9. The maximum towed / propelled load shall not exceed the value given in the Machine Data section of this ECC.

10. When using hydraulic trailer brakes, the machine is permitted to tow/propel a maximum of 6 trailers with 3 towed and 3 propelled.
11. When towing, if the machine is not fitted with any modules, it must have a minimum of 6 tonnes of ballast for adhesion.
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 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. The machine is suitable for on/off-tracking, traveling and working under live OLE when used in conjunction with a safe system of work as per the table below.

Module table

Module	Work ALO	On / Off track under live OLE	Work under live OLE	Travel under live OLE	Working mode max vertical exceedance mm	Working mode max lateral exceedance mm
3 Way Tipping Body	Yes	Yes	No	Yes	N/A	720
4 Cubic Metre Concrete Mixer	Yes	Yes	No	Yes	N/A	460
Jet Vac	Yes	Yes	No	Yes	959	1306
Flat Deck	Yes	Yes	Yes	Yes	N/A	N/A
Ballast Distributor	Yes	Yes	Yes	Yes	N/A	240
Tanker	Yes	Yes	No	Yes	N/A	N/A

Supplementary Information

1. The machine's re-approval for seven years was assessed against RIS-1530-PLT issue 6.
2. The machine is a Rexquote conversion of a Thwaites TD12 road vehicle.
3. The machine is approved for use with the following Demountable Modules:
 - 3 way tipping skip
 - 4 cubic metre concrete mixer
 - Water jetting/suction unit
 - Flat bed body
 - Ballast distributor
 - Water tanker
4. The machine is not fitted with a Movement Limiting Device.



Serial Number	2-99624
Rexquote Number	1503
Fleet Number	TD12-1503
