



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	Rexquote Volvo EW180 (Type 9B)
Machine Owner	L & W Contractors Ltd
Issue Date	15 th June 2021
Expiry Date	9 th June 2028

Machine Number: **99709 940690-9**

First of Class	Yes
Certificate Number of First of Class	AC/0209/21

Authorised by:



Alastair W R Roberts
AEGIS PAB Signatory

Official Stamp



Reason for Issue and Scope of Work

Previous Certificate:

Amendment of Limitations to remove any previous references to operation under live OLE, deletion of reference to towing of hydraulic park-brake only trailers but the hydraulic control system has not been removed, additional Supplementary information 10, revision of Limitations format to be compatible with similar L&W RRVs, up-issued L&W maintenance manual. No engineering change.

Network Rail Asset Info. Copy

Certificate Number: AC/0209/21

This certificate:

Upgrade to RIS-1530-PLT issue 6, Increase in on / off tracking cant. Fit earth bonds to allow operation under Live OLE Addition of Spaceguard high performance movement limiter.

Deviations Associated with this Certificate

Tracker Number None
Description None

Previous Certificate Number: 21/1479/16

Approved User Documentation

ID No.	Title	Issue No.	Date
HMM0020	Volvo EW180 Operation and Maintenance manual	A	27/4/21
QM6/WI/07	Vehicle maintenance plan Volvo EW180	1 rev 1	Oct 2016
RQM20058	Volvo EW180BR Supraliner Operating and maintenance manual	Iss 1	28/02/2013

Machine Data

Gross Mass	22000 kg	Software version (inc. RCI)	V9.58
Gauge	W6a	Work equipment gauge exceedance	5710mm mm
Tailswing gauge exceedance	700 mm	Tailswing Height	1420mm
Air service brake pressure	0-8 bar	Air park brake pressure	0-8 bar

Approved Values

Maximum number of people	2	Quick hitch SWL	13000kg
Main load lifting point SWL	10000 kg	Maximum non-service braked towed load	0 kg
Maximum towed load	48000 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	-

Use in Electrified Areas

		Travelling Mode	Working Mode	On/off-tracking
Overhead Line Equipment	Live	Y	Y	Y
	Isolated	Y	Y	Y
3rd / 4th Rail	Live	N	N	N
	Isolated	Y	Y	Y

Approved Maximum Speeds

	Travelling Mode	Working Mode
Plain Line	15mph	5mph
Switches and Crossings	5mph	5mph
Raised check and guard rails	5mph	5mph
Reverse	5mph	5mph
Towing	10mph	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 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 re-approval for seven years was assessed against RIS-1530-PLT issue 6.
2. The machine is fitted with a 2.06m boom, 3.03m Artic and a 2.0m dipper.
3. The machine is fitted with a High Performance Movement Limiting Device.
4. The machine can be fitted with a Miller Power latch 13000kg quick hitch
5. The machine is fitted with a High Performance Movement Limiting Device.
Duty chart reference: Volvo EW180 8741012 dated 4-Jun-2021.

Serial Number	8741012
Fleet Number	RRV123
Rexquote number	2080

Authorised by:

Alastair W R Roberts
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