

ON-TRACK PLANT

ENGINEERING CONFORMANCE CERTIFICATE

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

NAME OF CERTIFICATION BODY
AEGIS Certification Services Ltd

ACCREDITATION CODE
AC

Machine Class/Description Zagro/Mercedes Unimog U1650

Machine Owner Keltbray Rail Plant

Issue Date 11th December 2020

Expiry Date 21st October 2027

Machine Number: **99709 979085-6**

First of Class Yes

Certificate Number of First of Class AC/0427/20

Authorised by:



B A Clarke
AEGIS PAB Signatory

Official Stamp



Reason for Issue and Scope of Work

Previous Certificate:

Change of owner from Keltbray/Aspire Rail to Keltbray Electrification Plant.

This certificate:

Upgrade to RIS-1530-PLT issue 6.

Assessment of up-issued maintenance plan.

Change of Owner from Keltbray Electrification Plant to Keltbray Rail Plant.

Deviations Associated with this Certificate

Tracker Number None
Description None

Previous Certificate Number: NS/5284/14

Approved User Documentation

ID No.	Title	Issue No.	Date
FPS113	Unimog 1650 Operation and Maintenance Handbook	3	16/06/20

Machine Data

Gross Mass	11 300 kg	Tare mass	7 500 kg
Gauge	W6a	Software version	V11
Air service brake pressure	8 bar	Air park brake pressure	8 bar

Approved Values

Maximum number of people	2	Payload	3 800 kg
Maximum towed load	20 000 kg	Maximum number of trailers	1
Maximum non-service braked towed load	0 (zero) kg		

Approved Track Conditions

	Travelling Mode	Working Mode	On/off-tracking
Maximum gradient	1:25	1:25	1:25
Maximum cant	200 mm	150 mm	100 mm
Minimum curve radius	80 m	80 m	

Use in Electrified Areas

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

Approved Maximum Speeds

	Travelling Mode	Working Mode
Plain Line	20 mph	3 mph
Switches and Crossings	5 mph	3 mph
Raised check and guard rails	5 mph	3 mph
Reverse	5 mph	3 mph
Towing	10 mph	3 mph

Limitations of Use

1. The machine is not permitted outside of a possession.
2. Exceeds plant gauge.
3. Rubber tyres exceed the stated machine gauge by 200 mm from running edge of rail towards the cess/6ft and 10 mm below rail head level.
4. Rubber tyres encroach into the area reserved for infrastructure equipment. The machine has the potential to strike some platforms and underbridge girders. A site survey shall be undertaken to assess potential damage to infrastructure equipment prior to use.
5. The load exerted by rubber tyres on items of infrastructure equipment is 1500 kg.
6. The machines tyres exceed below rail head level by 10 mm. A site survey shall be undertaken to assess potential damage to infrastructure equipment prior to use.
7. 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.
8. Not to be used ALO on LU.
9. The machine shall not be used on track conditions in excess of those given in the Approved Track Conditions section of this ECC.
10. The machine cannot be relied upon to activate train operated points.
11. 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.
12. The maximum payload shown in the Machine Data section of this ECC shall not be exceeded.
13. The maximum number of towed / propelled trailers shall not exceed the value given in the Machine Data section of this ECC.
14. The maximum towed / propelled load shall not exceed the value given in the Machine Data section of this ECC.
15. Operators shall not be positioned between machines during coupling or uncoupling.
16. The machine shall not exceed any speeds given in the Approved Maximum Speeds section of this ECC.
17. Ground staff shall control reverse movements.

18. The machine is suitable for On/off-tracking, traveling and working under live OLE when used in conjunction with a safe system of work.
19. The machine shall not work under live OLE.
20. The machine shall not be on and off tracked under live OLE at a contact wire height of less than 4240 mm.
21. The machine shall not travel on live conductor rail lines.
22. The machine shall not work on live conductor rail lines.
23. The machine shall not be used predominantly in enclosed locations.

Supplementary Information

1. The machine's re-approval for seven years was assessed against RIS-1530-PLT issue 6.
2. The machine is approved for use with the following Demountable Modules:
 - CBS Winch C-1070-02
 - CBS Winch C-1395
 - CBS Tensioner C/1004/003
 - CBS Tensioner C-1385
 - ME Mechanical Handling Drum Carrier

Chassis Number	WDB 427 115 2W 195406
Road Registration	SN51 OFO

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