

Technical Report No.: 240059 – 22 – TAC
 Regulation: ECE No. 51.03
 Manufacturer: IVECO France, France
 Type: CBLE2/E0-R51-22



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UN/ECE Technical Service No. E8/C and E27/J
 Testing Laboratory No. 1107 accredited by ČIA according to ČSN EN ISO/IEC 17025:2018

**TECHNICAL REPORT
 No. 240059 – 22 – TAC**

Test according to Regulation ECE No. 51.03

**Uniform provisions concerning the approval of motor vehicles
 having at least four wheels with regard to their noise emissions**

ECE No. 51.00 – date of entry into force: 1982-07-15
 including all amendments up to and including:
 ECE No. 51.03, supplement 6 – date of entry into force: 2020-09-25

Objectives: Document for issue of approval certificate

I. Technical data

- 0.1. Make (trade name of manufacturer): IVECO BUS, KAROSA, IRISBUS, IVECO, IKARUS, HEULIEZ BUS
- 0.2. Type: CBLE2/E0-R51-22
- 0.2.1. Commercial name: Crossway Low Entry Elec
- 0.2.2. Variants: 554???
- 0.3. Means of identification of type: Position 4 to 9 of the VIN code
- 0.3.1. Location of that marking: On right side in front part of frame.
Other placement – embossed to manufacturer's plate
- 0.4. Category of vehicle: M3
- 0.5. Name and address of manufacturer: IVECO France
Rue des Combats du 24 Aout 1944
F 69200 Vénissieux
FRANCE
- 0.8. Address of assembly plant: Iveco Czech Republic, a. s.
Dobrovského 74
566 01, Vysoké Mýto,
Czech Republic

IVECO France
Rue Ferdinand Janvier, B.P. 138
F 07104 Annonay,
France



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II. Test report

1. Test conditions

1.1. Test vehicle:

Bus

**IVECO BUS CBLE2/E0-R51-22
(variant 5546???)**

Category: M3

VIN: VNE5546G70M044437

Electric drive motor:

Manufacturer: Siemens

[REDACTED]

1.1.1. Technical data from the manufacturer:

See manufacturer's information document

1.2. Test procedures used:

In accordance with paragraphs 3.1. of Annex 3 and Annex 5 of ECE Regulation No. 51.03 "Uniform provisions concerning the approval of motor vehicles having at least four wheels with regard to their noise emissions".

1.3. Measuring and test equipment:

Measuring system PULSE LAN-XI-6 (SM-094)
deviation of sound level calibration: 0 dB(A)
Sound level calibrator B&K 4231 (PE-191)
GPS measuring system (PM-3538)
Weather station KESTREL 4500 (PM-2715)
Infra-red pyrometer Raynger ST-2L (PM-0237)
Digital tyre pressure gauge (PM-5037)
Tape measure (PM-3133)

1.4. Worst case evaluation:

The worst-case variant was chosen.
The vehicle was selected in accordance with paragraph 2.2.1. of Appendix 3 of the Regulation. Different configurations of vehicle length as described in the ID don't affect the test parameter nor test results, the reference point of the vehicle is the same for all mentioned configuration.



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1.5. Testing conditions: Ambient air temperature: 14°C
Wind speed: 0 km.h⁻¹
Direction of wind: calm
Air humidity: 64 %
Atmospheric pressure: 98,9 kPa
Temperature of track surface: 20°C
Background noise: 29,7 dB(A)

1.6. Test track or site: Úhelnice, Czech Republic

2. Test results

2.1.	Sound level of moving vehicle	70 [dB(A)]
2.2.1.	Sound level of compressed air, service brake	65,2 [dB(A)]
2.2.2.	Sound level of compressed air, parking brake	54,8 [dB(A)]
2.2lo.3.	Sound level of compressed air, during the pressure regulator actuation	64,0 [dB(A)]

3. Specimen submitted to test on: 2022-05-04

4. Date of test: 2022-05-04

III. Manufacturer's information folder No. CBLE2/E0-R51-22
12 pages total of 2022-04-28

IV. Other documentation
Overview of measured values page 5

V. Attachments
No attachments



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The results presented above relate to the tested items only and to the sample as provided by the customer.

Measuring and test equipment and test site meet the requirements of the applicable legislation.
This report shall never be reproduced incomplete and without a written permission of the testing laboratory. TÜV SÜD Czech confidentiality degree: confidential
The final assessment and worst case evaluation exceed the accreditation scope.

VI. Final assessment

The described vehicle in tested items

complies

with the requirements of ECE Regulation No. 51.03, phase 2 and 3
for issue of approval certificate

This technical report consists of pages No. 1 to 6

Test executive

Officially recognized expert

Prague, 2022-05-30



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SUMMARY TABLES OF THE MEASURED VALUES.

Table No. 1 - Measured values during the acceleration test (see paragraph 3.1.2.2.1.3., letter (a) of Annex 3).

	Vehicle speed BB' [km.h ⁻¹]	L. H. side Sound level [dB(A)]	R. H. side Sound level [dB(A)]	Position of gear lever ¹⁾
				-

Table No. 2 - Sound levels of compressed air, service brake (see Annex 5)²⁾

	L. H. side dB(A)	R. H. side dB(A)

Table No. 3 - Sound levels of compressed air, parking brake (see Annex 5)²⁾

	L. H. side dB(A)	R. H. side dB(A)

Table No. 4 - Sound levels of compressed air, during the pressure regulator actuation (see Annex 5)²⁾

	L. H. side dB(A)	R. H. side dB(A)

¹⁾ Vehicle with no transmission control.

²⁾ All values shown in this table are reduced by 1 dB(A) in accordance with paragraph 2. of Annex 5.



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Table No. 5 - Tyre information.

	Front and Rear
Manufacturer	██████████
██████████	██████████
██████████	██████████
██████████████████	██████████ ██████████████████
██████████████	██████████
██████████████	●

End of the technical report

