



# OIML Certificate

**OIML Member State**  
The Netherlands

Number R51/2006-A-NL1-24.03 revision 1  
Project number 3901046  
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Issuing authority

NMi Certin B.V.  
Person responsible: M.Ph.D. Schmidt

Applicant and  
Manufacturer

Caterpillar Inc  
100 NE Adams St  
Peoria, IL 61629  
United States of America

Identification of the  
certified type

An **Automatic catchweighing instrument**  
Type : N8N

Characteristics

See next page

This OIML Certificate is issued under scheme A.

This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**OIML R 51-1:2006** for accuracy class Y(b)

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

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Issuing Authority

**NMi Certin B.V., OIML Issuing Authority NL1**  
7 July 2026

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated reports:

No. NMI-3676667-01 dated 15 November 2024 that includes 31 pages;  
No. NMI-3676667-02 dated 15 November 2024 that includes 16 pages;  
No. NMI-3676667-03 dated 15 November 2024 that includes 14 pages;  
No. NMI-3676667-04 dated 15 November 2024 that includes 23 pages.

## Characteristics of the automatic catchweighing instrument

|                                   |                   |                                                |                                             |
|-----------------------------------|-------------------|------------------------------------------------|---------------------------------------------|
| Destined to be used as            |                   | Catchweigher installed into a front-end loader |                                             |
| Accuracy class                    |                   | Y(b)                                           |                                             |
| Minimum capacity                  |                   | Min ≥ 10 e                                     |                                             |
| Verification scale interval       |                   | e ≥ 1 kg                                       |                                             |
| Weighing range                    |                   | Single interval                                |                                             |
| Maximum number of scale intervals |                   | n ≤ 164                                        |                                             |
| Maximum tilt                      |                   | Position                                       | Angle                                       |
|                                   |                   | Forward (pitch up)                             | 5°                                          |
|                                   |                   | Backward (pitch down)                          | 3°                                          |
|                                   |                   | Right side / Left side                         | 3°                                          |
| Electromagnetic environment class |                   | E3                                             |                                             |
| Mechanical environment class      |                   | instrument can be incorporated into vehicles   |                                             |
| Climatic environment              | temperature range | -20 °C / + 50 °C                               |                                             |
|                                   |                   | Indicator                                      | All sensors                                 |
|                                   | humidity          | non-condensing                                 | condensing / non-condensing                 |
|                                   | intended location | closed                                         | open / closed                               |
| Power supply voltage              |                   | 24 V DC                                        |                                             |
| Software identification           | Version number    | Configuration                                  | Version number                              |
|                                   |                   | Standalone                                     | 4.0.x<br>(x = a date of 28Aug2024 or later) |
|                                   |                   | Advanced                                       | 4.1.x<br>(x = a date of 28Aug2024 or later) |

Software:

- The payload for trade measurement software identifier is presented in the display under "Service → Payload for Trade → Summary → Software Version". Changes to this identifier can be viewed in the event logger available in the display under "Service → History".



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## Revision History

This revision replaces the previous version.

| Revision | Date       | Change(s)                   |
|----------|------------|-----------------------------|
| 0        | 2024-11-15 | Initial issue.              |
| 1        | 2026-07-07 | Update characteristic table |