



Daimler India Commercial Vehicles Pvt. Ltd -Central Lab

SIPCOT Industrial Estate, Oragadam Village, Singaperumal Koil Road,
Mathur(PO), Sriperumbadur Taluk, Kanchipuram - 602105, Tamil Nadu, India.

Phone: +91 44 4969 4456,
Website: www.daimler-indiacv.com / www.bharatbenz.com



CR20220082 A11

CERTIFICATE OF CALIBRATION

I. Descriptions of DUC

| | | | |
|----------------------|-----------------------|--------------------------|-------------------|
| Certificate No | : DICV/CL/22/37355 | Report Issues Date | : 07-11-2022 |
| ULR No | : CC202122000014463F | | |
| Date Of Calibration | : 21-09-2022 | Next Calibration Due | : Sep-2023 |
| Name Of The Customer | : PTI-T-QA (Domestic) | Date of Receipt | : 05-09-2022 |
| Department | : PTI-T-QA (Domestic) | Description of Equipment | : Vernier Caliper |

| Range | Least Count | Serial No | Make |
|---------|-------------|-----------|----------|
| 0-150mm | 0.01mm | 15803467 | Mitutoyo |

| | |
|---|-------------------|
| Identification Number | : TaVC-3082 |
| Condition of DUC | : Good |
| Calibration Procedure / Reference Standard : | : IS 16491-1:2016 |

II. Master & Equipment Used For Calibration & Traceability

| Sl. | Master Equipment | Id No | Make | Traceability | Certificate No | Validity |
|-----|----------------------------|-------|----------|-----------------------------------|-----------------------------|------------|
| 1 | Caliper Checker | CM-07 | Mikronix | NABL Accredited Lab No:CC-2428 | JRPM-CCTR-DIM- 2021-4063 | 21-08-2023 |
| 2 | Gauge Blocks 112 Pieces | CM-05 | Opus | NABL Accredited Lab No:CC-2428 | JRPM-CCTR-DIM- 2021-3373 | 17-07-2023 |

The master Equipment used for calibration are calibrated and traceable to National / International Standard

Environmental Condition : $20 \pm 1.0^{\circ}\text{C}$ / $50 \pm 10\%$ RH

Uncertainty Of Measurement : $\pm 0.016\text{mm}$

The stated Expanded uncertainty is estimated at a confidence level approximately 95% with a coverage factor $k = 2$

Calibrated By

Karthikeyan V
Engineer

Authorized Signatory

Gurushev P
Technical Manager

- The Calibration results are valid at the time of & under the stated conditions of measurement.
- The report should not be reproduced either in full or in part without out permission in writing.
- Next calibration due date given in this cetificate as per customer request irrespective of the status or condition of the IMTE.

DAIMLER TRUCK



CC-2021

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III. Mechanical Calibration Results

Certificate No DICV/CL/22/37355

Report Issue Date : 07-11-2022

All Values are in mm

| Sl. No | External Measurement | | Deviation | Internal Measurement | | Deviation | Depth Measurement | | Deviation |
|-------------------------------|----------------------|----------|-----------|----------------------|----------|-----------|-------------------|----------|-----------|
| | Nominal | Actual | | Nominal | Actual | | Nominal | Actual | |
| 1 | 0.0 | 0.0000 | | 0.0 | 0.0000 | | 0.0 | 0.0000 | |
| 2 | 10.0 | 9.9967 | | 10.0 | 9.9900 | | 10.0 | 9.9900 | |
| 3 | 20.0 | 19.9933 | | 20.0 | 19.9900 | | 20.0 | 19.9900 | |
| 4 | 50.0 | 49.9933 | | 50.0 | 49.9900 | | 50.0 | 49.9900 | |
| 5 | 100.0 | 99.9900 | | 100.0 | 99.9900 | | 100.0 | 99.9900 | |
| 6 | 150.0 | 149.9900 | | 150.0 | 149.9900 | | 150.0 | 149.9900 | |
| Actual | | | | | | | | | |
| Parallelism for External Jaws | | | | 0.01 | | | | | |
| Parallelism for Internal Jaws | | | | 0.01 | | | | | |

IV. Result Of Calibration : Calibrated parameters accepted

V. Remarks : Calibration accepted

Calibrated By

Karthikeyan V
Engineer

Authorized Signatory

Gurushev P
Technical Manager

End of Certificate

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