

DIN EN ISO 10062:2024-10 (E)

Corrosion tests in artificial atmosphere at very low concentrations of polluting gas(es) (ISO 10062:2022 + Amd 1:2024) (includes Amendment :2024)

| Contents | Page |
|-----------------------------------------------------------------------------------------------------|------|
| European foreword..... | 4 |
| [A1] European foreword to Amendment A1 [A1] | 5 |
| Foreword | 6 |
| [A1] Foreword to Amendment A1 [A1] | 7 |
| Introduction | 8 |
| 1 Scope..... | 9 |
| 2 Normative references..... | 9 |
| 3 Terms and definitions | 9 |
| 4 Apparatus..... | 9 |
| 5 Test methods | 10 |
| 5.1 Test severity..... | 10 |
| 5.1.1 General..... | 10 |
| 5.1.2 Suggested test methods | 10 |
| 5.1.3 Test duration | 11 |
| 5.2 Treatment of the specimens prior to testing (see Clause 6)..... | 11 |
| 5.3 Examination of the specimens prior to testing | 11 |
| 5.4 Filling of the test chamber | 11 |
| 5.5 Procedure..... | 12 |
| 5.5.1 Exposure time..... | 12 |
| 5.5.2 Test duration | 12 |
| 5.5.3 Test procedure | 12 |
| 5.6 Monitoring of test behaviour | 13 |
| 5.7 Post-test storage..... | 13 |
| 6 Information to be given in the relevant specification..... | 13 |
| 7 Expression of results..... | 13 |
| 8 Test report..... | 13 |
| Annex A (normative) Specifications for apparatus for corrosion tests in artificial atmosphere | 15 |
| A.1 Test chamber | 15 |
| A.1.1 Materials..... | 15 |
| A.1.2 Design | 15 |
| A.1.3 Pressure seals..... | 15 |
| A.1.4 Test atmosphere..... | 15 |
| A.1.5 Sampling points | 16 |
| A.1.6 Illuminance level..... | 16 |
| A.1.7 Installation | 16 |
| A.2 Generation of the test atmosphere | 16 |
| A.2.1 General..... | 16 |
| A.2.2 Damp-atmosphere generation | 16 |
| A.2.3 Polluting gas(es)..... | 16 |
| A.3 Checks and control | 17 |
| A.3.1 General..... | 17 |

| | | |
|--------------|----------------------------------------------------------------------------------------|-----------|
| A.3.2 | Temperature and relative humidity | 17 |
| A.3.3 | Test-gas flow rate | 17 |
| A.3.4 | Concentration of polluting gas(es) | 17 |
| A.3.5 | Operation | 17 |
| | Annex B (informative) Typical apparatus for polluting gas corrosion tests | 18 |
| | Bibliography | 19 |