

**The Appendix is an integral part of  
Certificate of Accreditation No. 302/2022 of 01/03/2021**

**Accredited entity according to ČSN EN ISO/IEC 17025:2018:**

**TEDIKO, s.r.o.**  
Testing Laboratory of TEDIKO  
Pražská 5487, 430 01 Chomutov

**Testing laboratory locations:**

- |    |  |                               |
|----|--|-------------------------------|
| 1. | Mechanical Testing Laboratory              | Pražská 5487, 430 01 Chomutov |
| 2. | Metallographic Testing Laboratory          | Pražská 5487, 430 01 Chomutov |
| 3. | Chemistry and Corrosion Testing Laboratory | Pražská 5487, 430 01 Chomutov |
| 4. | NDT Testing Laboratory                     | Pražská 5487, 430 01 Chomutov |

1. Mechanical Testing Laboratory

**Tests:**

Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
1	Tensile test at room temperature	ČSN EN ISO 6892-1 except p. 10.3, Method A ASTM E8/E8M ASTM A370	Ferrous and non-ferrous metals
2	Transverse tensile test	ČSN EN ISO 4136 ASME CODE IX, p. 150-153	Weld joints of metallic materials
3	Bend test of welds	ČSN EN ISO 5173 ASME CODE IX, p. 160-163	Weld joints of metallic materials
4	Bend test	ČSN EN ISO 7438 ASTM A370	Ferrous and non-ferrous metals
5	Flattening test	ČSN EN ISO 8492	Ferrous and non-ferrous metals
6	Drift-expanding test	ČSN EN ISO 8493	Ferrous and non-ferrous metals
7	Fracture test	ČSN EN ISO 9017	Ferrous and non-ferrous metals
8	Impact bend test	ČSN EN ISO 9016 ASME CODE IX (p. 170-172)	Weld joints of metallic materials
9	Charpy impact test	ČSN EN ISO 148-1 except KV <sub>8</sub> and KU <sub>8</sub> ASTM E23 ASTM A370	Steel
10	Brinell hardness test	ČSN EN ISO 6506-1 ASTM E10 ASTM A370	Ferrous and non-ferrous metals
11*	Vickers hardness test HV5 to HV100	ČSN EN ISO 6507-1 ASTM E384	Ferrous and non-ferrous metals
12	Hardness test of weld joints	ČSN EN ISO 9015-1	Ferrous and non-ferrous metals

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Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
13	Rockwell hardness test, scales A, B, C	ČSN EN ISO 6508-1 ASTM E18 ASTM A370	Ferrous and non-ferrous metals

<sup>1</sup> asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises

<sup>2</sup> if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

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2. Metallographic Testing Laboratory

**Tests:**

Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
1	Determination of apparent grain size	ČSN EN ISO 643, p. 7.1.2 ASTM E112, p. 10	Metallic materials
2	Determination of depth of decarburization of steel by metallographic method	ČSN EN ISO 3887, art. 4.2 ASTM E1077-01, p. 7.3	Steel
3	Metallographic evaluation of cast iron structure	ČSN EN ISO 945-1	Cast iron
4	Vickers hardness test, HV less than 0.2	ČSN EN ISO 6507-1	Metallic materials
5*	Evaluation of microstructure of metallographic sections	LAB-MET-PP001 ASTM E407 ASTM E1351 ASTM E1558	Metallic materials
7	Destructive tests on welds in metallic materials – Macroscopic and microscopic examination of welds	ČSN EN ISO 17639 ASTM E340	Steel

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3. Chemistry and Corrosion Testing Laboratory

Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
1	Analysis of elements by AES method (C, Mn, Si, Cr, Ni, Mo, V)	LAB-CHA-PP002 (Instruction Manual ARC-MET 8000)	Metallic materials
2	Determination of the mass of corrosion products on the internal surface of specimens by gravimetry	LAB-KOR-PP001 (ČSN EN ISO 8407)	Metallic materials
3*	Analysis of elements by AES method (C, Mn, Cr, Ni, Mo, V)	LAB-CHA-PP003 (Instruction Manual PMI Master Smart)	Metallic materials
4*	Analysis of elements by XRF method (Mn, Cr, Ni, Mo, V, Si)	LAB-CHA-PP001 (User manual for manual ED-XRF spectrometer VANTA VCR)	Metallic materials

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4. NDT Testing Laboratory

**Tests:**

Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
1*	Radiographic test	ČSN EN ISO 17636-1 ČSN EN ISO 5579 ČSN EN 12681-1 TPE 10-40/1771/81-A PE 10-40/1771/2014-JE	materials, parts, machines and equipment
2*	Ultrasonic test, including thickness measurement	ČSN EN ISO 17640 ČSN EN ISO 16810 ČSN EN 10160 ČSN EN 10308 ČSN EN 12680-2 ČSN EN 12680-3 ČSN EN 10228-3 ČSN EN ISO 16809 TPE 10-40/1771/81-A TPE 10-40/1771/2014-JE ČSN EN ISO 10863 ČSN ISO 9764 ČSN EN ISO 16828 ČSN EN 10307 ČSN EN ISO 17577 ČSN EN 10228-4	Materials, parts, machines and equipment
3*	Magnetic particle test	ČSN EN ISO 17638 ČSN EN 1369 ČSN EN 10228-1 ČSN EN ISO 9934-1 TPE 10-40/1771/81-A TPE 10-40/1771 /2014-JE	Materials, parts, machines and equipment
4*	Penetrant test	ČSN EN ISO 3452-1 ČSN EN 1371-1 ČSN EN 1371-2 ČSN ISO 9916 ČSN EN 10228-2 TPE 10-40/1771/81-A TPE 10-40/1771 /2014-JE	Materials, parts, machines and equipment

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Ordinal number <sup>1</sup>	Test procedure/method name	Test procedure/method identification <sup>2</sup>	Tested object
5*	Visual test	ČSN EN 17637 ČSN EN 13018 ČSN EN 1370 TPE 10-40/1771/81-A TPE 10-40/1771 /2014-JE	materials, parts, machines and equipment
6*	Leakage test	ČSN EN 1779 ČSN EN 13184 ČSN EN ISO 20485 ČSN EN 1593	materials, parts, machines and equipment
7*	Eddy current test	ČSN EN ISO 15549 PN 015059 NDT-ET-PP-015 (ČSN EN ISO 15549, ASTM E543, ASME CODE V,8) NDT-RFT-PP-002 (ASTM E2096, ASME CODE V,17, Inspection Procedure of Ferrous Tubing using the MS5700 and 5800 RFT instrument, Rev. B); NDT-MFL-PP-001 (ASTM E570)	metallic materials, components of machines and equipment

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**Explanations:**

Internal testing procedures - LAB-MET-PP001, LAB-CHA-PP001, LAB-CHA-PP002, LAB-KOR-PP001, NDT-ET-PP-015,-NDT-RFT-PP-002, NDT-MFL-PP-001

AES – Atomic Emission Spectrometer

XRF – X-ray fluorescence spectrometry