

**The Appendix is an integral part of
Certificate of Accreditation No. 31/2023 of 26/01/2023**

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

Státní zkušebna strojů a.s.
Testing Laboratory
Třanovského 622/11, 163 04 Praha 6-Řepy

Tests:

Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
1	Strength test of protective structures (cabin, frame) ROPS	PPZ 93 (Regulation (EU) No 1322/2014, Annexes VI, excl. cl. 3.8.2.3 to 3.8.2.5 and 3.8.2.7, VII, excl. cl. 3.8.2.3 to 3.8.2.5 and 3.8.2.7, VIII, excl. cl. 3.11.2.3 to 3.11.2.5 and 3.11.2.7, IX, excl. cl. 3.6.2.3 to 3.6.2.5 and 3.6.2.7, X, excl. cl. 3.5.2.3 to 3.5.2.5 and 3.5.2.7; OECD code 3, excl. cl. 3.8.2.3 to 3.8.2.5 and 3.8.2.7 and 3.9, code 4, excl. cl. 3.11.2.3 to 3.11.2.5 and 3.11.2.7 3.12, code 6, excl. cl. 3.6.2.3 to 3.6.2.5 and 3.6.2.7 and 3.7, code 7, excl. cl. 3.5.2.3 to 3.5.2.5 and 3.5.2.7 and 3.6, code 8, excl. cl. 3.8.2.3 to 3.8.2.5 and 3.8.2.7 and 3.9 and code 9, excl. cl. 3.2, 3.7.2.3 to 3.7.2.5 and 3.7.2.7 and 3.8; ISO 8082-1, excl. cl. 5.3.3 ISO 8082-2, excl. cl. 5.3.3 ISO 21299; ČSN EN ISO 3471, excl. cl. 7.2; ČSN EN 13531+A1, excl. cl. 7.3; ČSN EN 15059+A1, chap. 5.6.1.3)	Protective structures (cabins, frames)
2*	Verification of driver's field of vision	PPZ 8 (Regulation (EU) 2015/208, Annex VII, IX; ISO 5721-1; ISO 5721-2)	Tractors, agricultural machinery, forestry and woodworking machinery, municipal machinery and equipment

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3*	Determination of the sound power level	PPZ 41 (Regulation 2018/985/EU Annex II; Decree No. 341/2014, Annex 13, cl. 11; Regulation EU 167/2013 chap. III, cl. 19.4; ECE No. 28, chap. 14; Regulation (EU) No 1322/2014, Annex XIII; Directive 2000/14/EC, Annexes III; Gov. Reg. No. 9/2002 Coll., Annex No. 3; ECE Regulation No. 28, chap. 14; ECE Regulation No. 51, Annex 3 and 6; OECD code 2, cl. 4.8; OECD code 5; ČSN ISO 1996-1; ČSN ISO 1996-2; ČSN ISO 6393; ČSN ISO 6394; ČSN ISO 6395; ČSN ISO 6396; ČSN ISO 7960; ČSN ISO 8297; ČSN ISO 9533, p. 7; ČSN ISO 11094; ČSN EN ISO 3744:2010; ČSN EN ISO 3744; ČSN EN ISO 3746:2010; ČSN EN ISO 3746; ČSN EN ISO 3747:2011; ČSN EN ISO 3747; ČSN EN ISO 4254-1, Annex B;	Agricultural machines

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		ČSN EN ISO 5395-1, Annex F; ČSN EN ISO 9612; ČSN EN ISO 9902-1; ČSN EN ISO 11201:2010; ČSN EN ISO 11201; ČSN EN ISO 11202:2010; ČSN EN ISO 11202; ČSN EN ISO 11203; ČSN EN ISO 11204:2010; ČSN EN ISO 11204; ČSN EN ISO 14509-1; ČSN EN ISO 22868; ČSN EN 709+A4, cl. 5.13; ČSN EN 12053+A1; ČSN EN 12549+A1; ČSN EN 12733, Annex B; ČSN EN 60704-1 ed. 2; ČSN EN 60704-2-7; Guideline No. 4 published in the MoH Bulletin 4/2013, chapter Measurement and assessment of workplace noise according to Czech technical standards, p. 1 and 2 and article Measurement uncertainty	
4*	Measurement of vibrations	PPZ 42 (ČSN ISO 2631-1; ČSN ISO 2631-2; ČSN EN ISO 5349-1; ČSN EN ISO 5349-2; ČSN EN ISO 5395-1, Annex G; ČSN EN ISO 10517, Annex C; ČSN EN ISO 20643; ČSN EN ISO 22867; ČSN EN 709+A4, Annex C; ČSN EN 786+A2, Annex D; ČSN EN 1032+A1;	Tractors, transport and handling equipment, agricultural machinery, forestry and woodworking machinery, foodprocessing machinery, construction machinery and equipment, electrical appliances and tools, municipal machinery and equipment, constructions

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		<p>ČSN EN 12733, Annex C; ČSN EN 28662-1; Guideline no. 4 published in the MoH Bulletin 4/2013, article Measurement and evaluation of vibrations according to Czech technical standards and article Measurement uncertainties</p>	
5*	Functional test of electrical equipment – working machine	<p>PPZ 9 (ČSN EN 60204-1 ed. 2, Chap. 4 – 18; ČSN EN 60204-1 ed. 3, chap. 18; ECE Regulation No. 100, excl. Annex 7)</p>	<p>Transport and handling equipment, agricultural machinery, forestry and woodworking machinery, food industry machinery, construction machinery and equipment, electrical appliances and tools, municipal machinery and equipment</p>
6*	Measurement of vehicle braking effects	<p>PPZ 77 (Regulation (EU) 2015/68, Annex I, II, V, excl. vehicles with ABS system); Regulation TRANS/SC1/WP29/R.274, Annex 3; ECE Regulation No. 13, Annex 4)</p>	<p>Tractors, transport and handling equipment, agricultural machinery, forestry and woodworking machinery, municipal machinery and equipment</p>
7*	Measurement of vehicle maximum speed	<p>PPZ 81 (Regulation (EU) 2015/208, Annex III)</p>	<p>Tractors, transport and handling equipment, agricultural machinery, forestry and woodworking machinery, construction machinery and equipment, municipal machinery and equipment</p>

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8	Verification of safety parameters of chainsaws	PPZ 27 (ČSN EN ISO 11681-1, chap. 4; ČSN EN ISO 11681-2, chap. 4)	Forestry and woodworking machinery
9	FOPS protective structure strength test	PPZ 84 (Regulation (EU) No 1322/2014, Annex XI. Section C, excl. 3.6.2.3 to 3.6.2.5; OECD code 9 excl. 3.3, 3.7.2.3 to 3.7.2.5 and 3.7.2.7 3.8, code 10 excl. 3.6.2.3 to 3.6.2.5 and 3.6.2.7; ISO 6055; ISO 8083 excl. cl. 5.3.3; ISO 10262 excl. cl. 8.3.3; ČSN EN ISO 3449 excl. cl. 6.3.3)	FOPS protective structures
10*	Measurement of braking effects of a machine	PPZ 86 (ČSN EN ISO 3450)	Vehicles and handling equipment, construction machinery and equipment, municipal machinery and equipment
11*	Functional test of steering of rubber-tyred machines	PPZ 20 (ČSN EN 12643, chap. 10; ČSN EN ISO 5010)	Construction machines and equipment
12*	Verification of protection against mechanical danger – ejection of objects	PPZ 105 (ČSN EN ISO 4254-12, chap. 5.2.1.3, 5.3, 6.2, 6.3)	Agricultural machinery, municipal machinery and equipment
13*	Functional test of vehicle steering	PPZ 121 (Regulation (EU) 2015/208, Annex V)	Tractors and agricultural machinery

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14*	Measurement of pressure rise time and size of air reservoirs	PPZ 123 (Regulation (EU) 2015/68, Annex III (pneumatics), Annex IV, part A, chap. 1, 2; ECE Regulation No. 13, Annex 6, Annex 7, part A)	Tractors, transport and handling equipment, agricultural machinery, municipal machinery and equipment
15*	Electromagnetic compatibility – measurement of radiated emissions: a) disturbing voltage levels in the frequency band 0.15 – 30 MHz b) disturbing power levels in the frequency band 30 – 300 MHz c) (disturbing field levels in the frequency band 30 – 1000 MHz	PPZ 124 (Regulation (EU) 2015/208, Annex XV; ECE Regulation No. 10, chap. 6.2, 6.3; ECE Regulation No. 10.5; ČSN EN ISO 13766-1; ČSN EN ISO 13766-2; ČSN ISO 13766, Annex B, C, D, E; ČSN EN ISO 14982, Annexes B, C, D; ČSN EN 50370-1, chap. 5; ČSN EN 55011 ed. 4, chap. 6, 7; ČSN EN 55012 ed. 2, chap. 5; ČSN EN 55014-1 ed. 5; ČSN EN 55014-1 ed. 4, chap. 5; ČSN EN 55016-2-1 ed. 3, chap. 6, 7; ČSN EN 55016-2-3 ed. 4, chap. 6, 7.3; ČSN EN 55032 ed. 2; ČSN EN IEC 61000-6-3 ed. 3; ČSN EN IEC 61000-6-4 ed. 3)	Tractors, transport and handling equipment, agricultural machinery, forestry and woodworking machinery, food industry machinery, construction machinery and equipment, electrical appliances and tools, municipal machinery and equipment, constructions, category O trailers, category M, N motor vehicles
16	Verification of safety parameters of engine-powered rotary and spindle lawnmowers	PPZ 168 (ČSN EN ISO 5395-1 ČSN EN ISO 5395-2, chap. 4, 5, 6 ČSN EN ISO 5395-3, chap. 4, 5, 6)	Agricultural machines

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
17*	3.55 Verification of safety parameters of circular saws	PPZ 139 (ČSN EN 1870-6, chap. 5; ČSN EN 1870-11, chap. 5, excl. Annex B; ČSN EN 1870-13+A2, chap. 5 (excl. Annex A); ČSN EN 1870-14+A2, chap. 5 (excl. Annex A); ČSN EN 1870-15, chap. 5 (excl. Annex E); ČSN EN 1870-16, chap. 5 (excl. Annex C); ČSN EN 1870-19, chap. 5 (excl. Annex H); ČSN EN 19085-5 excl. Annex D; ČSN EN 19085-10 excl. Annex D)	Forestry and woodworking machines, circular saws
18	Functional test of chain saws – measurement of stopping time	PPZ 140 (ČSN EN 60745-2-13, chap. 6, chap. 19, chap. 20 (excl. cl. 20.1 and 20.5))	Forestry and woodworking machines
19*	Verification of safety parameters – hand-loaded domestic waste collection vehicles	PPZ 142 (ČSN EN 1501-1+A1, chap. 5; ČSN EN 1501-5, chap. 5)	Municipal machinery and equipment
20*	Verification of safety parameters of band saws	PPZ 145 (ČSN EN ISO 19085-16; ČSN EN 1807-2, chap. 5)	Forestry and woodworking machines
21*	Electromagnetic compatibility – Electromagnetic immunity test: - fast transient immunity test - surge immunity test - electrostatic discharge test - test of immunity to	PPZ 154 (ČSN EN ISO 13766-1; ČSN EN ISO 13766-2; ČSN EN ISO 14982, chap. 6.7; ČSN EN 50370-2, chap. 5; ČSN EN 55014-2 ed. 2; ČSN EN 55024 ed. 2, chap. 6; ČSN EN 61000-4-2 ed. 2, chap. 8; ČSN EN 61000-4-4 ed. 3,	Tractors, transport and handling equipment, agricultural machinery, forestry and woodworking machinery, food industry machinery, construction machinery and equipment, electrical appliances and tools, municipal machinery

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	voltage dips and interruptions - electromagnetic field immunity test	chap. 8; ČSN EN 61000-4-5 ed. 3, chap. 8; ČSN EN IEC 61000-4-11 ed. 3; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4; ČSN EN 55035)	and equipment
22	Strength test of OPS protective structure	PPZ 158 (ISO 8084; ISO 10262)	Protective structures
23	Test of rear underrun protection devices for motor vehicles and their trailers	PPZ 160 (Regulation (EU) 2015/208, Annex XXVI; ECE Regulation No. 58)	Transport and handling equipment, agricultural machinery, forestry and woodworking machinery and protective structures
24*	Verification of safety of woodworking machinery – hand fed vertical milling machines	PPZ 169 (ČSN EN 848-2+A2, chap. 5, (excl. Annex C); ČSN EN ISO 19085-6, excl. Annex D)	Forestry and woodworking machinery
25*	Verification of safety of woodworking machinery – hand fed tenoning machines with several tool holders	PPZ 170 (ČSN EN ISO 19085-12)	Forestry and woodworking machinery
26*	Verification of safety of woodworking machinery – one side thickness planing machines with hand feeding/unloading	PPZ 171 (ČSN EN ISO 19085-7, excl. Annex D)	Forestry and woodworking machinery
27*	Verification of safety of woodworking machinery – hand fed surface planing machines	PPZ 172 (ČSN EN ISO 19085-7, excl. Annex D)	Forestry and woodworking machinery

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
28*	Determination of dimensions and weight	PPZ 94 (Regulation (EU) 1230/2012, Annex I to IV; Regulation (EU) 2018/858, Annex I; Regulation (EU) 2021/535, Annex XIII)	Category O trailers, category M, N motor vehicles
29	Verification of design properties of towing devices	PPZ 94 (Regulation (EU) 1005/2010, Annex II; Regulation (EU) 2021/535, Annex VII)	Category O trailers, category M, N motor vehicles
30*	Check of position, number, and type of fitted lighting and signalling equipment	PPZ 94 (ECE Regulation No. 48, cl. 5, 6, Annex 4 to 6, 11)	Category O trailers, category M, N motor vehicles
31*	Steering system test	PPZ 94 (ECE Regulation No. 79, cl. 5, 6, Annex 3 to 7)	Category O trailers, category M, N motor vehicles
32*	Verification of technical characteristics of vehicle mechanical coupling devices	PPZ 94 (ECE Regulation No. 55, Annex 5, 7)	Category O trailers, category M, N motor vehicles
33	Strength testing of lateral protection devices	PPZ 94 (ECE Regulation No. 73)	Category O trailers, category M, N motor vehicles, structural component, separate technical unit
34*	Check of the construction of vehicles intended for the carriage of dangerous goods	PPZ 94 (ECE Regulation No. 105, cl. 5)	Category O trailers
35*	Check of wheel guards and spray-suppression systems	PPZ 94 (Regulation (EU) 109/2011, Annex IV; Regulation (EU) 1009/2010, Annex II; Regulation (EU) 2021/535, Annex V, Annex VIII)	Category O trailers, category M, N motor vehicles

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
36*	Check of labels and VIN number	PPZ 94 (Regulation (EU) 19/2011, Annex I and II; Regulation (EU) 2021/535, Annex II)	Category O trailers, category M, N motor vehicles
37*	Test of installation of safety glazing and glazing materials	PPZ 94 (ECE Regulation No. 43, Annex 24)	Category O trailers
38*	Check of tyre fitting	PPZ 94 (Regulation (EU) 458/2011, Annex II; ECE Regulation No. 142)	Category O trailers, category M, N motor vehicles
39*	Verification of registration plate location	PPZ 94 (Regulation (EU) 1003/2010, Annex II; Regulation (EU) 2021/535, Annex III)	Category O trailers, category M, N motor vehicles
40*	Vehicle brake tests	PPZ 94 (ECE Regulation No. 13, Annex 4 to 13, 17, 18, 20, 21)	Category O trailers, category M, N motor vehicles
41	Test of rear underrun protection for motor vehicles and their trailers	PPZ 94 (ECE Regulation No. 58)	Category O trailers, category M, N motor vehicles, structural part, separate technical unit
42	Verification of rollover stability	PPZ 94 (ECE Regulation No. 111, Annex 3, 4; ECE Regulation No. 107, Annex III p. 7.4)	Category O trailers, category M, N motor vehicles
43	Verification of electrical appliances	PPZ 12 (ČSN EN 60335-2-77 cl. 15)	Agricultural machines, rotary and spindle mowers

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

² 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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Notes and abbreviations

- PPZ – Test operating procedure (Internal procedure of Státní zkušebna strojů a.s. based on technical standards and regulations – up-to-date editions of regulations are used)
- ROPS – Roll-Over Protective Structure
- FOPS – Falling-Object Protective Structure
- OPS – Operator Protective Structure
- OECD – Organisation for Economic Co-operation and Development
- ECE – Economic Commission for Europe
- Trans/SC1/WP29 – UN Group of Experts on the Construction of Vehicles
- ABS – Anti-lock Braking System
- VIN – Vehicle Identification Number
- Vehicle category O – trailers
- Vehicle category M – motor vehicles designed and constructed primarily for the carriage of persons and their luggage
- Vehicle category N – motor vehicles designed and constructed primarily for the carriage of goods