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AMENDMENT 1
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Earth-moving machinery — Roll-over protective structures — Laboratory tests and performance requirements

AMENDMENT 1

iTeh STANDARD PREVIEW
*Engins de terrassement — Structures de protection au retournement —
Essais de laboratoire et critères de performance*
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AMENDEMENT 1

ISO 3471:1994/Amd 1:1997

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Reference number
ISO 3471:1994/Amd.1:1997(E)

Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Amendment 1 to ISO 3471:1994 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, (Subcommittee SC 2, *Safety requirements and human factors*).

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International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet central@iso.ch
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Subclause 7.3

Add the following paragraph.

“To assure structural integrity at low temperatures, material selection, design and weld considerations shall emphasize high density and toughness, i.e. the ability to resist brittle fracture of the structure.”

Table 2

Replace with the table below.

Table 2 — Minimum Charpy V-notch impact strengths

Specimen size mm	Energy at	
	– 30 °C J	– 20 °C J ^{b)}
10 × 10 ^{a)}	11	27,5
10 × 9	10	25
10 × 8	9,5	24
10 × 7,5 ^{a)}	9,5	24
10 × 7	9	22,5
10 × 6,7	8,5	21
10 × 6	8	20
10 × 5 ^{a)}	7,5	19
10 × 4	7	17,5
10 × 3,3	6	15
10 × 3	6	15
10 × 2,5 ^{a)}	5,5	14

a) Indicates preferred size. Specimen size shall be no less than the largest preferred size that the material will permit.

b) The energy requirement at – 20 °C is 2,5 times the value specified for – 30 °C. Other factors affect impact energy strength, i.e. direction of rolling, yield strength, grain orientation and welding. These factors shall be considered when selecting and using a steel.

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ICS 53.100

Descriptors: earth-moving equipment, accident prevention, overturning (vehicles), operator protection, safety devices, specifications, performance, tests, laboratory tests, labelling, test results.

Price based on 1 page
