

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-17653-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 25.01.2019

Date of issue: 25.01.2019

Holder of certificate:

**TUBOSCOPE VETCO (Deutschland) Gesellschaft mit beschränkter Haftung
Maschweg 5, 29227 Celle**

Tests in the fields:

manual non-destructive tests (radiographic-, ultrasonic-, penetrant-, magnetic particle- and visual test) at metallic components of plant engineering and at plant

1 Magnetic particle test

DIN EN ISO 9934-1 2017-03	Non-destructive testing - Magnetic particle testing - Part 1: General principles (here: <i>Chapter 7 to 14</i>)
DIN EN 1369 2013-01	Founding - Magnetic particle testing
DIN EN 10228-1 2016-10	Non-destructive testing of steel forgings - Part 1: Magnetic particle inspection
DIN EN ISO 10893-5 2011-07	Non-destructive testing of steel tubes - Part 5: Magnetic particle inspection of seamless and welded ferromagnetic steel tubes for the detection of surface imperfections

This document is a translation. The definitive version is the original German annex to the accreditation certificate.

Abbreviations used: see last page

*The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.
<https://www.dakks.de/en/content/accredited-bodies-dakks>*

Annex to the accreditation certificate D-PL-17653-01-00

2 Penetrant test

DIN EN ISO 3452-1 2014-09	Non-destructive testing - Penetrant testing - Part 1: General principles (here: <i>Chapter 8</i>)
DIN EN 10228-2 2016-10	Non-destructive testing of steel forgings - Part 2: Penetrant testing
DIN EN 1371-1 2012-02	Founding - Liquid penetrant testing - Part 1: Sand, gravity die and low pressure die castings

3 Visual test

DIN EN ISO 17637 2017-04	Non-destructive testing of welds - Visual testing of fusion-welded joints (here: <i>Chapter 5 and 6</i>)
DIN EN 1370 2012-03	Founding - Examination of surface condition
DIN EN 13018 2016-06	Non-destructive testing - Visual testing - General principles (here: <i>Chapter 5 and 6</i>)

4 Radiographic test

DIN EN ISO 17636-1 2013-05	Non-destructive testing of welds - Radiographic testing - Part 1: X- and gamma-ray techniques with film
DIN EN ISO 5579 2014-04	Non-destructive testing - Radiographic testing of metallic materials using film and X- or gamma rays - Basic rules (here: <i>Chapter 6</i>)
DIN EN ISO 12681-1 2018-02	Founding - Radiographic testing - Part 1: Film techniques

5 Ultrasonic test

DIN EN 14127 2011-04	Non-destructive testing - Ultrasonic thickness measurement
DIN EN ISO 16810 2014-07	Non-destructive testing - Ultrasonic testing - General principles (here: <i>Chapter 9</i>)

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Annex to the accreditation certificate D-PL-17653-01-00

DIN EN ISO 16823 2014-07	Non-destructive testing - Ultrasonic testing - Transmission technique
DIN EN ISO 16826 2014-06	Non-destructive testing - Ultrasonic testing - Examination for discontinuities perpendicular to the surface
DIN EN ISO 17640 2018-03	Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment (here: <i>Chapter 7 to 10 and Appendix A</i>)
DIN EN 10160 1999-09	Ultrasonic testing of steel flat product of thickness equal to or greater than 6 mm (reflection method)
DIN EN 10228-3 2016-10	Non-destructive testing of steel forgings - Part 3: Ultrasonic testing of ferritic or martensitic steel forgings
DIN EN 10228-4 2016-10	Non-destructive testing of steel forgings - Part 4: Ultrasonic testing of austenitic and austenitic-ferritic stainless steel forgings
DIN EN 10308 2002-03	Non-destructive testing - Ultrasonic testing of steel bars
DIN EN 12680-1 2003-06	Founding - Ultrasonic examination - Part 1: Steel castings for general purposes
DIN EN ISO 17405 2014-10	Non-destructive testing - Ultrasonic testing - Technique of testing claddings produced by welding, rolling and explosion
AD 2000-Data sheet HP 5/3 Attachment 1 2015-04	Non-destructive testing of welded joints - Minimum requirements for non-destructive testing methods (here: <i>Chapter 3</i>)

abbreviations used:

AD HP	Working group Pressure vessel; Manufacturing and testing
DIN	German Institute for Standardization
EN	European standard
ISO	International Organization for Standardization

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