

WELDER'S QUALIFICATION TEST CERTIFICATE

according to NEN-EN-ISO 9606-1: 2017

DNV-GL

Certificate No.:

A0619524-174

Rev.: 0

Ref.: WPS-DNVGL-2019-34

Designation(s) ISO 9606-1

111 T BW FM1 B t=18.27 (s1=18.27) D 168.3 H-L045 ss, nb

Approval body

Det Norske Veritas B.V., the Netherlands

Welder's name Grzegorz Idasiak
 Method of identification Identiteitsbewijs /
 Date and place of birth 1979-01-20 / Polen
 Employer W.P.S. Welding Services
 WPS - Reference WPS-111-X65-6G-02
 Job knowledge Not tested

Welding data	Test Piece	Range of qualification NEN-EN-ISO 9606-1:2017
Welding process(es)	111	111
Transfer mode	N.A.	N.A.
Current and polarity	DC neg	N.A.
Product type	T	P, T
Type of weld	BW	BW, branch joints with an angle $\geq 60^\circ$
Material group(s)	1.3 (API 5L X65)	N.A.
Filler metal group and type	FM1, B, ISO 2560-A: E46 4 B 3 2 H5	FM1, FM2, A, RA, RB, RC, RR, R, B (Only B for root)
Shielding gas	N.A.	N.A.
Auxiliaries (e.g. backing gas)	N.A.	N.A.
Material thickness (mm)	t=18.27 mm	N.A.
Deposite weld thickness (mm)	S1:18.27mm (*)	S1: ≥ 3.00 mm
Outside pipe diameter (mm)	168.3 mm	D ≥ 84.15 mm
Welding position	H-L045	PA, PC, PE, PF
Weld details	ss, nb	ss nb - ss mb - bs - ss gb - ss fb
Suppl. FW Test piece (5.4e)	N.A.	N.A.

(*) S1/S2 welded in 3 or more layers.

Type of qualification tests	Performed and accepted	Not tested	
Visual testing	Yes	-----	Accept. NEN EN ISO 9606-1 clause 7 403214513
Radiographic testing	Yes	-----	
Ultrasonic testing	-----	Not tested	
Liquid Penetrant testing	-----	Not tested	
Magnetic testing	-----	Not tested	
Bend test	-----	Not tested	
Macroscopic examination	-----	Not tested	
Fracture test	-----	Not tested	
Hardness examination	-----	Not tested	
Impact testing	-----	Not tested	
Tensile test	-----	Not tested	

Place of welding Rotterdam

Date of welding 2019-09-03

Valid till 2021-09-03

Issue date 2019-09-10

Issue place Barendrecht

Surveyor Stefan Verhagen

Verified by



See reverse side for prolongation by employer every 6 months, and examiner/test body's prolongation every 2 years. Additional information may also be stated in the column 'supplementary remarks'.

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